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FCC Compliance Notice: Radio Frequency Notice
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: (1). Reorient or relocate the receiving antenna, (2). Increase the separation between the equipment and receiver, (3). Connect the equipment into an outlet on a circuit different from that to which the receiver is connected, (4). Consult the dealer or an experienced radio/TV technician for help.

Important Note:

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment."

Part No. 535Wx-V1.2

1. Introduction

Product Overview

The external print servers enhance capability by letting you place your printers, plotters, or equality printers at convenient locations directly on the Ethernet network, and by increasing network printer performance and management.

Network Management

The print servers support the Simple Network Management Protocol (SNMP), which remote printer management and a warning. A standard SNMP agent is permanent on these print servers. Any standard SNMP-based application can be used to access and manage these print servers.

Network configuration

The print servers provide an embedded web server that can be accessed via a prop web browser. We also subsidiary Windows-based PSAdmin utility which help administrator to setup print server environment. For example, Netware, Windows 95/98/Me, Windows NT/2000/XP, Mac or Unix system.

Wireless Specifications

Standard	Complies with IEEE 802.11b Direct Sequence Spread Spectrum(DSSS) standard	
Radio Frequency	2.4 GHZ ISM Band	
Media Access Control Method	Carrier Sense Multiple Access / Collision Avoidance (CSMA/CA) with ACK	
Modes	Ad-Hoc and Infrastructure (User definable)	
Data Transfer Rate	1, 2, 5.5, 11 Mbps	
Output Power	+13 ~ +17 dBm (typical +15dBm)	
WEP (Wired Equivalent Privacy) Encryption	Support 64 and 128 bit Encryption	
Typical Operating Ranges	Indoor: 35~50 M@ 11Mbps 80M @ 5.5 Mbps 120M @ 2 Mbps 150M @ 1Mbps	Outdoor: 250M @ 11Mbps 350M @ 5.5Mbps 400M @ 2Mbps 500M @ 1Mbps

Components and Features

Wireless Print server

- 1 Bi-direction parallel port (IEEE 1284) or USB 1.1 port (support USB2.0 full speed)
- POST (Power On Self Test)
- LED Lights

  Status: Yellow color, indicating Power/POST process

  WLAN Active: Green / Yellow color, indicating the strength of radio signal and data transmission.
- 1 CD for Netware, Windows 95/98/Me/NT/2000/XP
- 1 external AC power adapter(3.3V 2A)
- Normal and Diagnostic Mode (select by **DIP** switch)
- Built-in Reset Button

Before you start, you should prepare :

- One Win98/Me/2000/XP/2003 PC with CD-ROM
- One 802.11b Access Point and Wireless Adapter
- One Printer (USB or Parallel Port)

Hardware Installation

To install the print servers, you need to complete these steps:

- Confirm that your printer parallel(USB) port work well.
- Connect the print server to the network and printer(s) and plug in the print server.
- Create a configuration page from the print server.

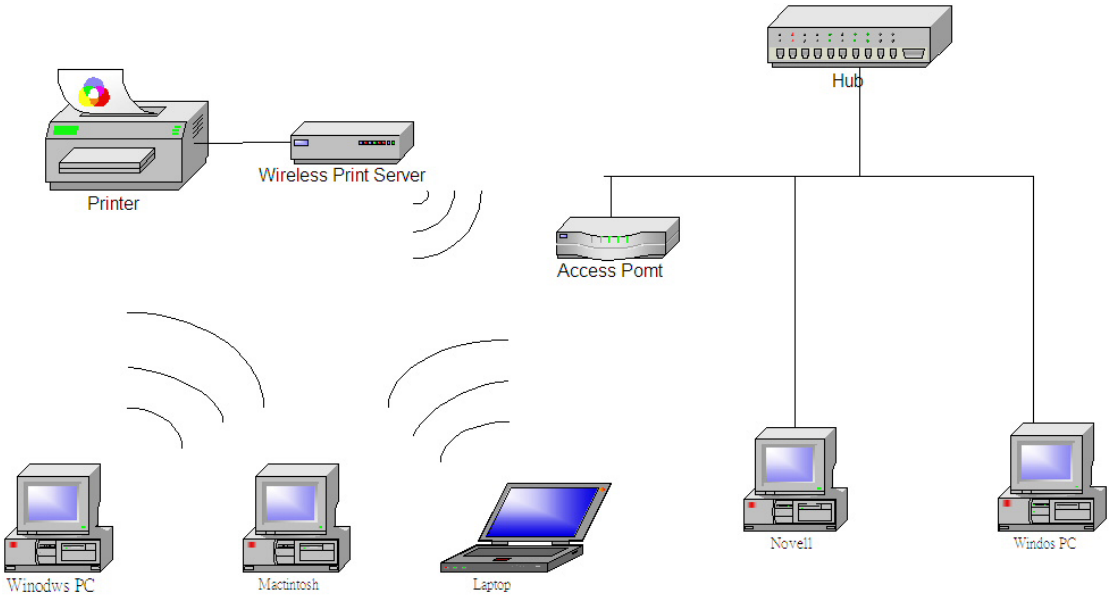
Follow these instructions to install the print servers, please refer to any peripheral you are connecting to the print server:

1. To ensure your printer(s) work well, do one of the following:
   - Send data through the parallel (USB) port of each printer you are connecting to the print server, or generate a printer self-test page.
2. Turn off the power for each printer.
3. Connect the print server to printer(s).

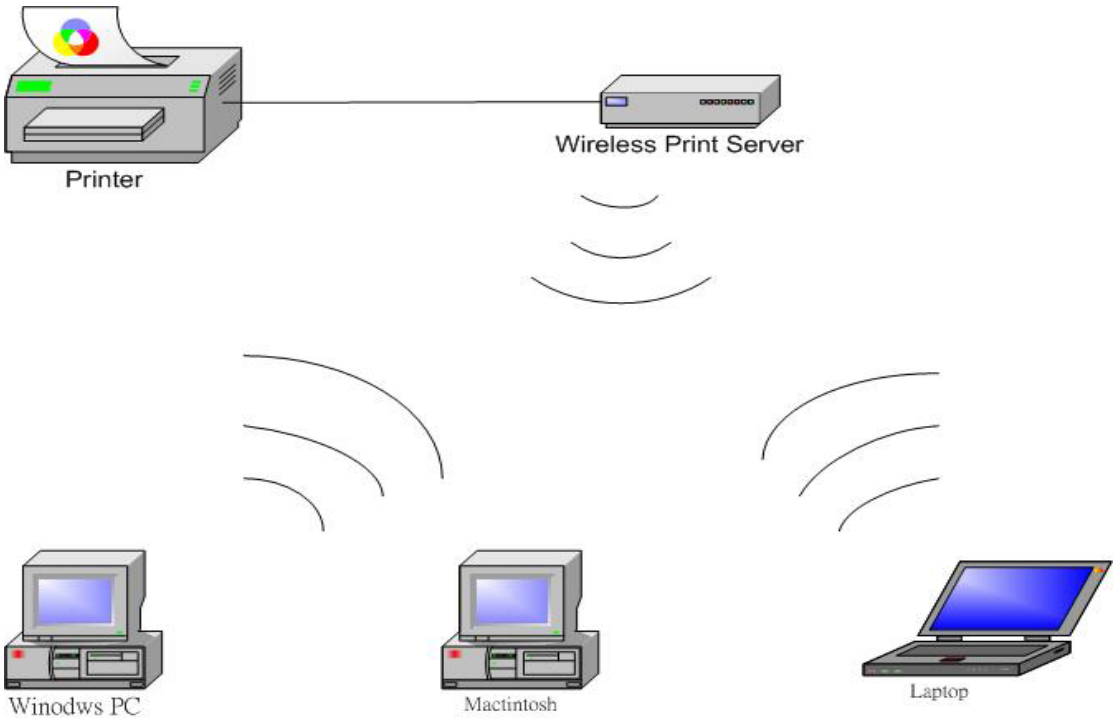
   Note: One port print server attaching only one printer, further three ports print server can expand three printers, for example, the print server's port1 should be connect printer1, port2 or port3 as following above step.
4. Plug the AC power adapter into the power receptacle in the side of the print server.
5. Plug the AC power module into the wall out-let, the print server is switched on after you plug it in.
6. Check the LED's marked as **status** on topside or beside of the print server. It should be flash **five** times normally, if not, please contact your local dealer for repair or replacement.
7. Turn on the power of your printer(s) to begin printing.

Wireless Network Environment

Infrastructure (AP) Mode



Ad-hoc (PEER-to-PEER) Mode



2. Print Server Installation

Preparation

To meet users' network printing needs in today's heterogeneous and multiple protocol networking environments, the print server supports industrial standard protocols, including TCP/IP, IPX/SPX, NetBEUI and AppleTalk. This means that the print server supports the most popular network operating systems today, including NetWare, Windows 95/98/Me/NT/2000/XP, UNIX systems and Macintosh computer. As such, there might be several ways to deploy the print server on your network.

Supported Networks

Print server supports a variety of network protocols, including TCP/IP, IPX/SPX, NetBEUI and AppleTalk. In addition, we provide software for network configuration on the following networks:

- Novell NetWare 3.12, 4.x, 5.x (Bindery, NDS and NDPS)
- Microsoft Windows 95/98/Me
- Microsoft Windows NT/2000/XP/2003
- Apple EtherTalk
- UNIX /Linux system
- Internet (via Internet Printer Connection software)

Configuration Solution Table

Setup Operating System	Function	Remarks
PSAdmin utility		
Windows 95/98/Me Windows NT/2000/XP/2003 NetWare 3.12, 4.x, 5.x	Install a single network on a peer-to-peer or client-server network	Easy printer installation runs from CD
Embedded Web server		
Windows 95/98/Me	Remote setup print server from	Follow standard browse, for example, IE or Netscape

Windows NT/2000/XP/2003 NetWare 3.12, 4.x, 5.x	private LAN as soon	
HP Web JetAdmin		
Windows NT/2000/XP/2003 NetWare 3.12, 4.x, 5.x	Remote management of print server, include alert and consumables	Print server solution for continual management of multiple printers- anywhere on your LAN
Internet Printing Protocol		
Windows 98 SE Windows 2000/XP	Printing via the internet to Internet Printing Protocol-enabled print server	Allows saving distribution of HQ hardcopy document over Internet, replacing fax, mail

Comment

Configuration solution Table has many installations way to setup Windows 95/98/Me, Windows NT/2000/XP/2003, NetWare, UNIX / Linux system and Mac computer. Firstly, we introduce PSAdmin utility, HP Web JetAdmin program and Internet Printing Protocol solution. Then we will discusse Embedded Web Server Installation with print server.

3.The PSAdmin Utility for Windows-based

The PSAdmin is a proprietary Windows based management program that can assist you in configuring and managing your print server in NetWare environments. The program can be run from any Windows PC.

Installing the PSAdmin

To install PSAdmin, please follow the directions listed below.

1. Insert the **Setup CD** into your CD-ROM drive.

2. Run the **setup.exe** from Windows 95/98/Me/NT/2000/XP/2003. The **Network Print Monitor for Windows** welcome message then appears. Choose **Setup Wizard** or **Manual Installation**.

Welcome to Network
Print Server Setup
Setup Wizard
Manual Installation
Documentation
Welcome to the Network Print Server CD ROM Browser. Select one of the options to continue.
Exit

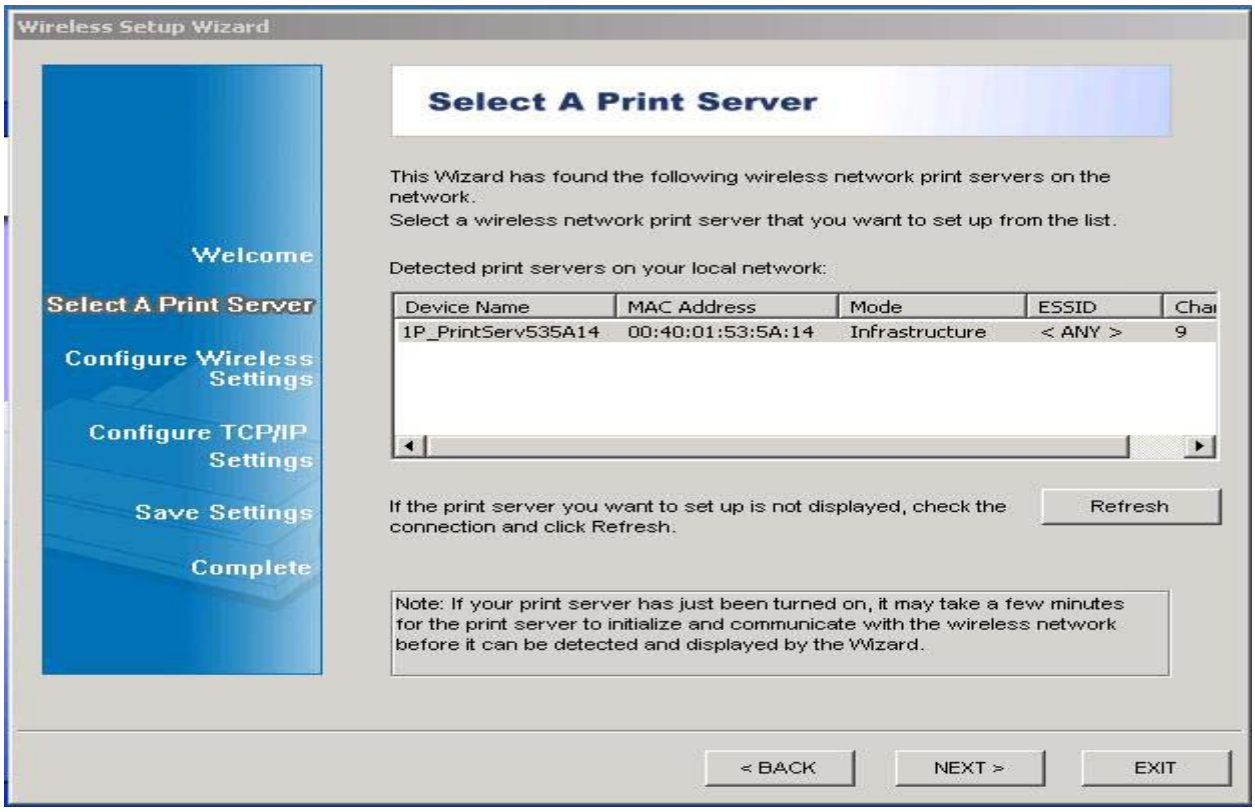
3. Choose Setup Wizard, the program will auto install the **Network Print Monitor**, **PSAdmin** and **Setup Wizard** into your computer. The default installation directory will be **C:\Program files\Network Print Monitor**.

4. After installation completes, the **Setup Wizard** message appears.

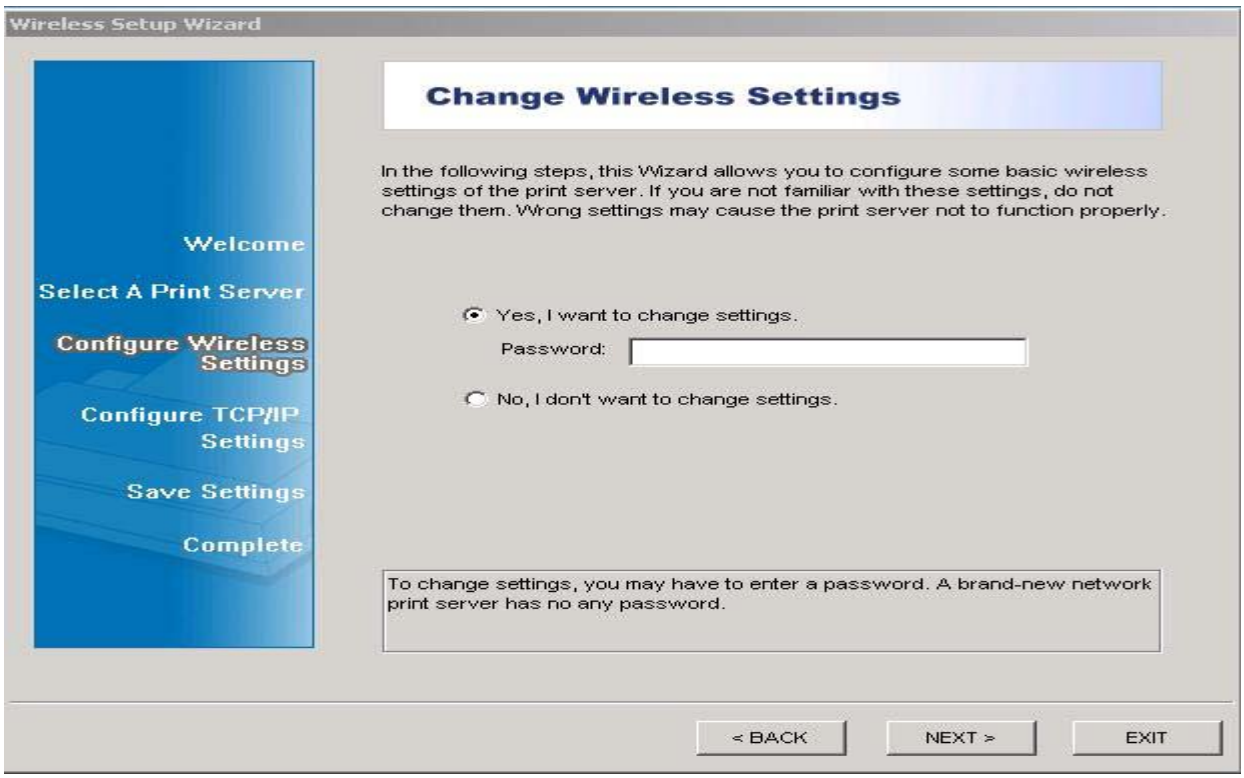
5. Click **Wireless Setup Wizard** and the following message appears.

Wireless Setup Wizard
Welcome
Select A Print Server
Configure Wireless Settings
Configure TCP/IP Settings
Save Settings
Complete
Welcome to the Wireless
Print Server Setup Wizard
This Wizard will help you configure the wireless network print server to communicate with your wireless network.
Before you continue,
1. Make sure the print server and the printer are properly connected and turned on.
2. Make sure you have the wireless settings of the wireless network. (such as the SSID, encryption information, etc.)
To continue, click Next.
Ver. 0.94.08
< BACK
NEXT >
EXIT

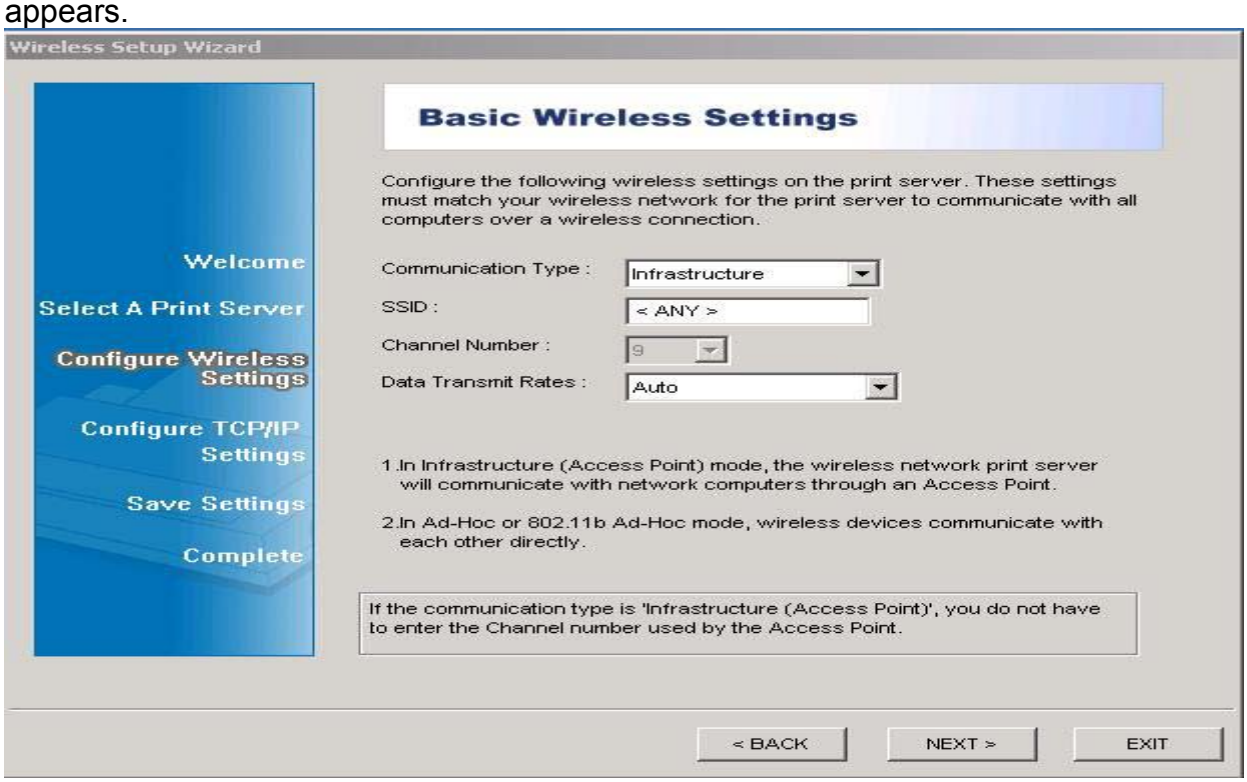
6. Click **NEXT** , the wizard will automatically discover the wireless print server.


Wireless Setup Wizard
Welcome
Select A Print Server
Configure Wireless Settings
Configure TCP/IP Settings
Save Settings
Complete
Select A Print Server
This Wizard has found the following wireless network print servers on the network.
Select a wireless network print server that you want to set up from the list.
Detected print servers on your local network:
Device Name
MAC Address
Mode
ESSID
Cha
1P_PrintServ535A14
00:40:01:53:5A:14
Infrastructure
< ANY >
9
If the print server you want to set up is not displayed, check the connection and click Refresh.
Refresh
Note: If your print server has just been turned on, it may take a few minutes for the print server to initialize and communicate with the wireless network before it can be detected and displayed by the Wizard.
< BACK
NEXT >
EXIT

7. Select the print server which you want to configure and press **NEXT**.


Wireless Setup Wizard
Welcome
Select A Print Server
Configure Wireless Settings
Configure TCP/IP Settings
Save Settings
Complete
Change Wireless Settings
In the following steps, this Wizard allows you to configure some basic wireless settings of the print server. If you are not familiar with these settings, do not change them. Wrong settings may cause the print server not to function properly.
Yes, I want to change settings.
Password:
No, I don't want to change settings.
To change settings, you may have to enter a password. A brand-new network print server has no any password.
< BACK
NEXT >
EXIT

8. Select **YES** if you want to change the configuration and press **NEXT** then the picture appears.


Wireless Setup Wizard
Welcome
Select A Print Server
Configure Wireless Settings
Configure TCP/IP Settings
Save Settings
Complete
Basic Wireless Settings
Configure the following wireless settings on the print server. These settings must match your wireless network for the print server to communicate with all computers over a wireless connection.
Communication Type :
Infrastructure
SSID :
< ANY >
Channel Number :
9
Data Transmit Rates :
Auto
1.In Infrastructure (Access Point) mode, the wireless network print server will communicate with network computers through an Access Point.
2.In Ad-Hoc or 802.11b Ad-Hoc mode, wireless devices communicate with each other directly.
If the communication type is 'Infrastructure (Access Point)', you do not have to enter the Channel number used by the Access Point.
< BACK
NEXT >
EXIT

Communication Type： please choose **Infrastructure**, **Ad-hoc** or **802.11b Ad-hoc** that meet your network environment.

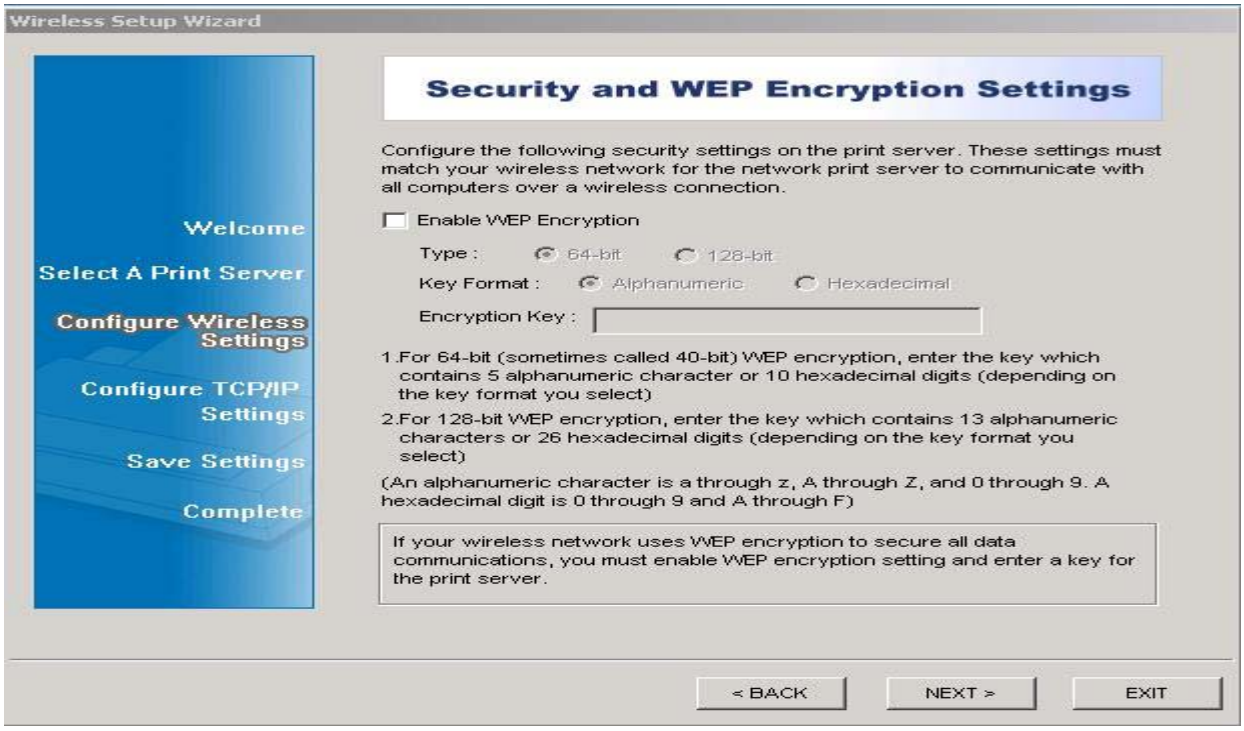
SSID：Input the proper SSID of your wireless network. The default value is <any> and it will connect with the AP which has the best signal in your wireless network.

Channel： optional.

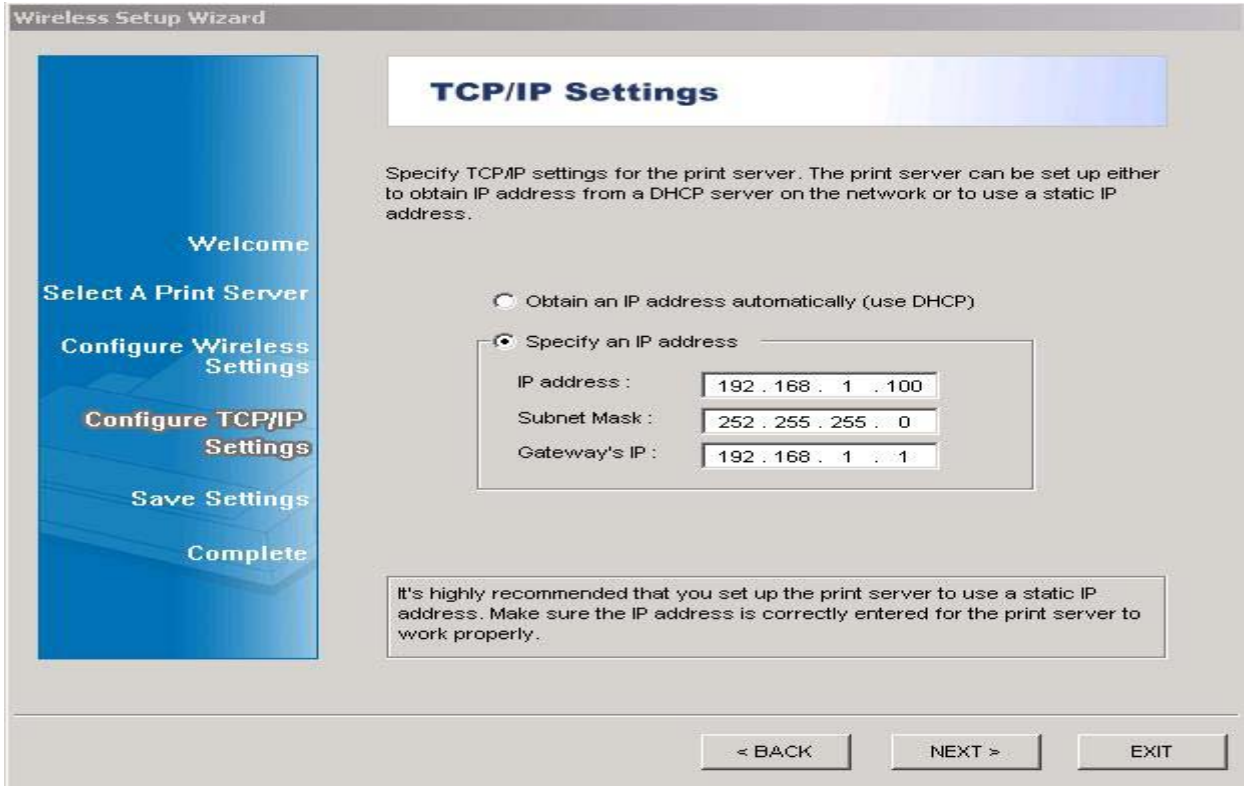
Data Transmit Rates： Auto or 1,2Mbps, 5.5Mbps or 11Mbps.

Click **NEXT**.

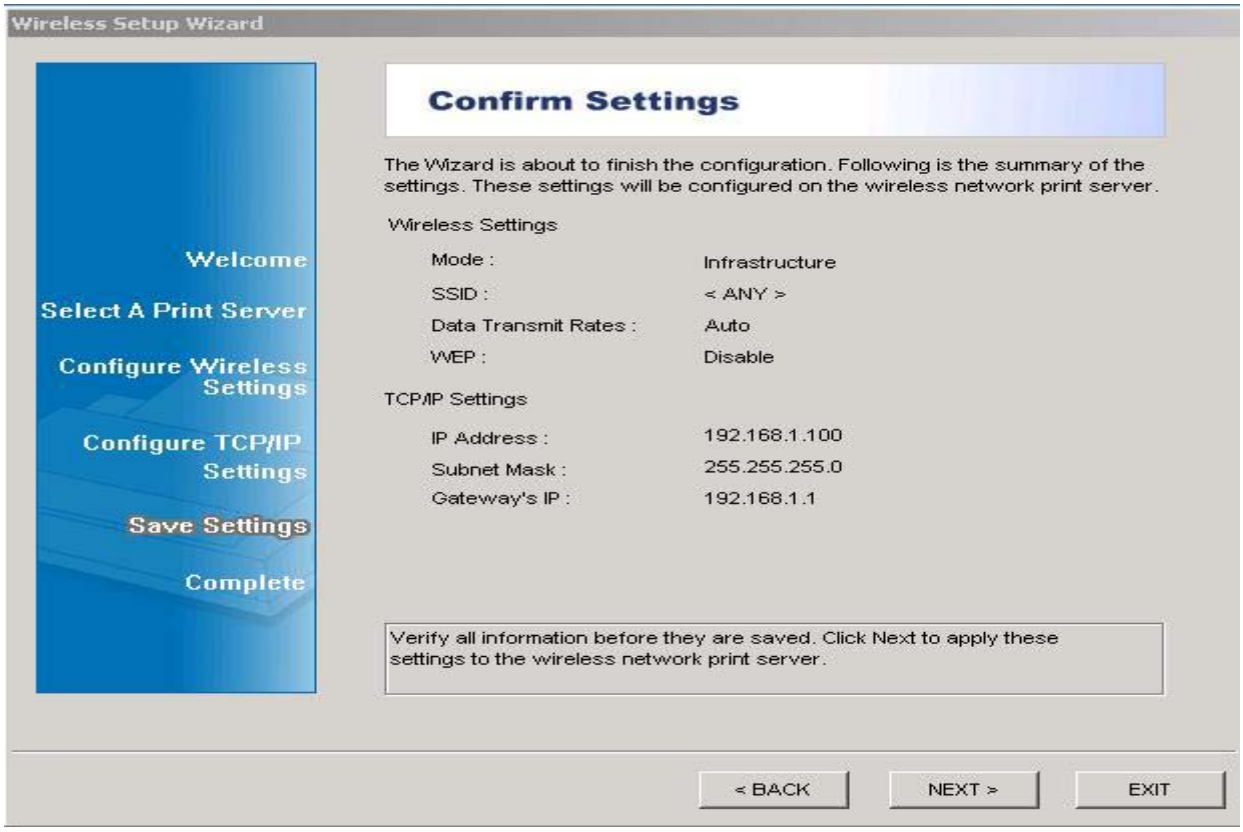
9. Choose Enable the WEP Encryption as you need, and click **NEXT**.


Wireless Setup Wizard
Welcome
Select A Print Server
Configure Wireless Settings
Configure TCP/IP Settings
Save Settings
Complete
Security and WEP Encryption Settings
Configure the following security settings on the print server. These settings must match your wireless network for the network print server to communicate with all computers over a wireless connection.
Enable WEP Encryption
Type : 64-bit 128-bit
Key Format : Alphanumeric Hexadecimal
Encryption Key :
1.For 64-bit (sometimes called 40-bit) WEP encryption, enter the key which contains 5 alphanumeric character or 10 hexadecimal digits (depending on the key format you select)
2.For 128-bit WEP encryption, enter the key which contains 13 alphanumeric characters or 26 hexadecimal digits (depending on the key format you select)
(An alphanumeric character is a through z, A through Z, and 0 through 9. A hexadecimal digit is 0 through 9 and A through F)
If your wireless network uses WEP encryption to secure all data communications, you must enable WEP encryption setting and enter a key for the print server.
< BACK
NEXT >
EXIT

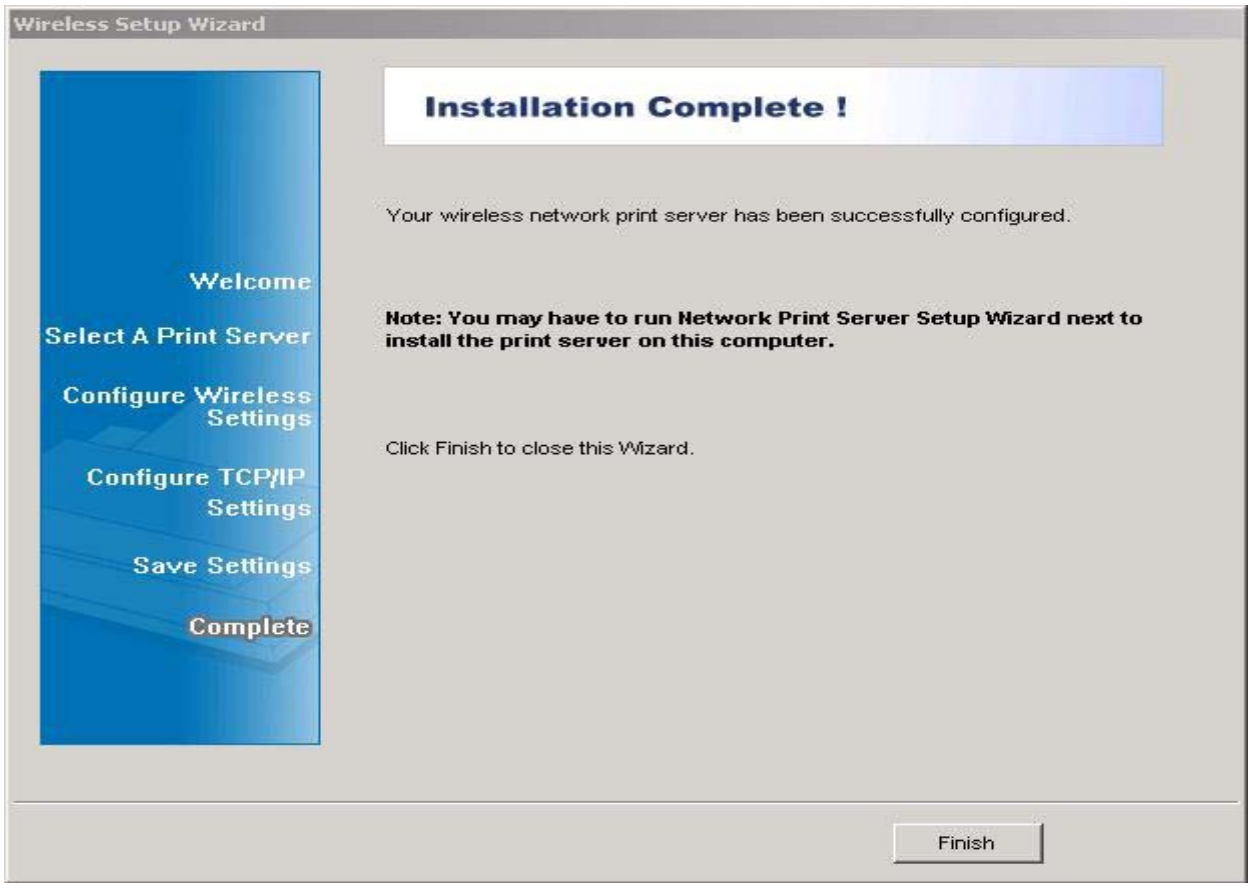
10. Specify a fixed IP address or use dynamic IP address, then click **NEXT**.


Wireless Setup Wizard
Welcome
Select A Print Server
Configure Wireless Settings
Configure TCP/IP Settings
Save Settings
Complete
TCP/IP Settings
Specify TCP/IP settings for the print server. The print server can be set up either to obtain IP address from a DHCP server on the network or to use a static IP address.
Obtain an IP address automatically (use DHCP)
Specify an IP address
IP address : 192 . 168 . 1 . 100
Subnet Mask : 252 . 255 . 255 . 0
Gateway's IP : 192 . 168 . 1 . 1
It's highly recommended that you set up the print server to use a static IP address. Make sure the IP address is correctly entered for the print server to work properly.
< BACK
NEXT >
EXIT

11. In this page, you can confirm your setting value again. Click **NEXT**.

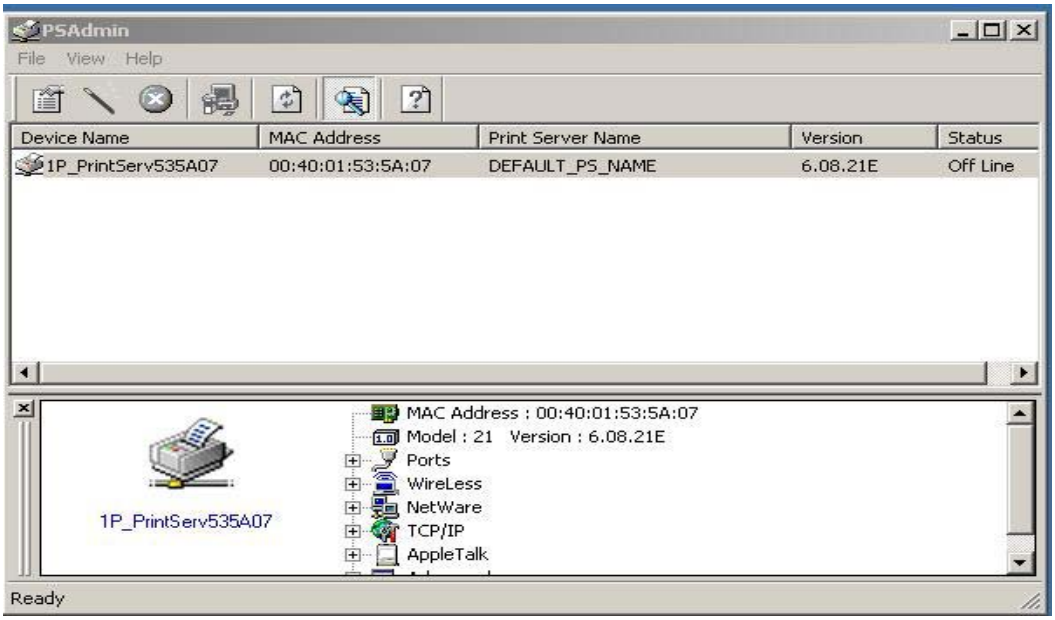

Wireless Setup Wizard
Welcome
Select A Print Server
Configure Wireless Settings
Configure TCP/IP Settings
Save Settings
Complete
Confirm Settings
The Wizard is about to finish the configuration. Following is the summary of the settings. These settings will be configured on the wireless network print server.
Wireless Settings
Mode : Infrastructure
SSID : < ANY >
Data Transmit Rates : Auto
WEP : Disable
TCP/IP Settings
IP Address : 192.168.1.100
Subnet Mask : 255.255.255.0
Gateway's IP : 192.168.1.1
Verify all information before they are saved. Click Next to apply these settings to the wireless network print server.
< BACK
NEXT >
EXIT

12. Done.


Wireless Setup Wizard
Welcome
Select A Print Server
Configure Wireless Settings
Configure TCP/IP Settings
Save Settings
Complete
Installation Complete !
Your wireless network print server has been successfully configured.
Note: You may have to run Network Print Server Setup Wizard next to install the print server on this computer.
Click Finish to close this Wizard.
Finish

Using PSAdmin

After **PSAdmin** is successfully installed, run the program by double-clicking the **PSAdmin** icon from "**Network Print Server**" program. The screen will then appear as follow picture.



All print server(s) feature Novell NetWare function on the LAN will be displayed along with their respective device name, MAC Address, print server name, firmware version, and status. The terms are defined as follows:

Device Name: The name of the print server hardware used for identification purposes.

MAC Address: The Ethernet address of the print server.

Print server Name: The print server to which the device is attached.

Version: The firmware version of the print server.

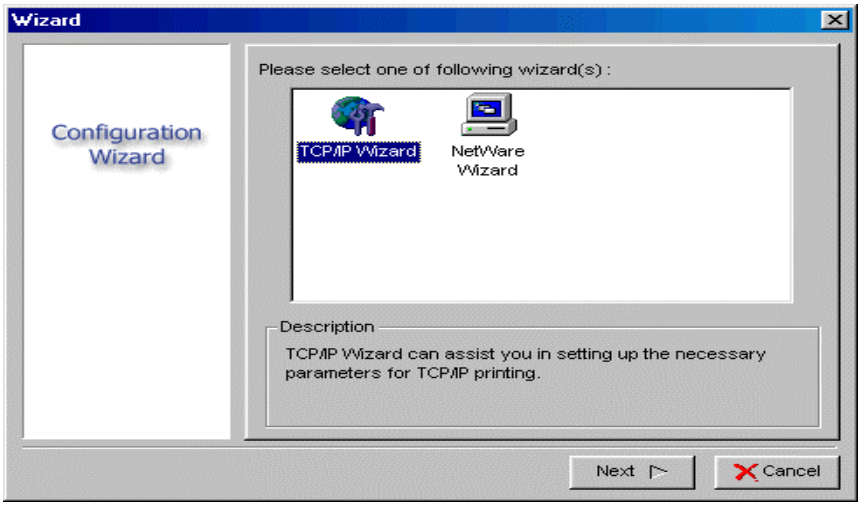
Status: To come up a Printer's status presently.

Wizard

Wizard is a configuration program that can assist you in setting up the necessary parameters for your print server device to function. Setup a print server by using Wizard.

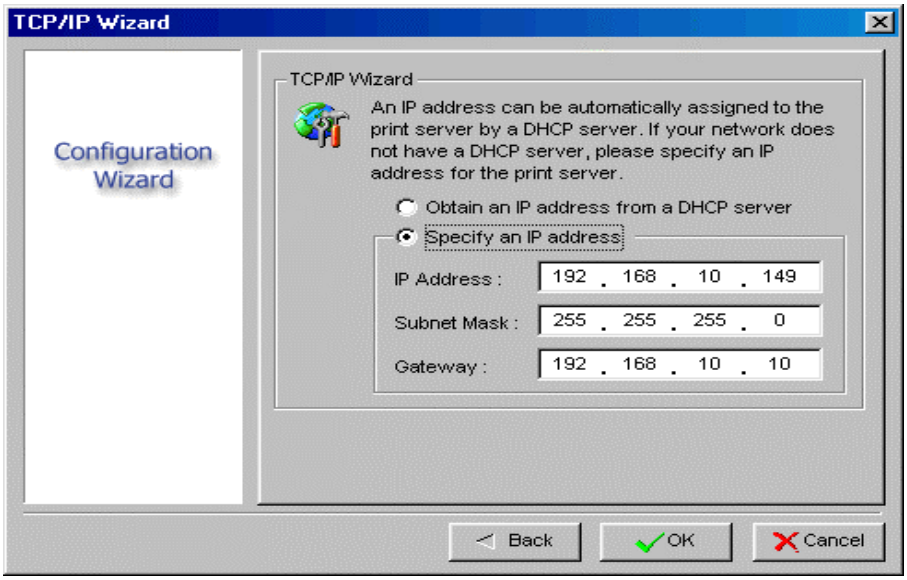
TCP/IP Wizard

1. Click **Wizard** button just like a picture .and select **TCP/IP Wizard**.



2 Select "**Obtain an IP address from DHCP server**". If there is a DHCP server on your network. This option allows the print server to obtain IP-related settings automatically from your DHCP server. This setting, by default, is disabled. If you would like to manually specify an IP address to the device, please skip to the following step.

3 In the **IP Address** option, type an IP address for the print server. The IP address must meet the IP addressing requirements of the network segment.


TCP/IP Wizard
Configuration Wizard
TCP/IP Wizard
An IP address can be automatically assigned to the print server by a DHCP server. If your network does not have a DHCP server, please specify an IP address for the print server.
Obtain an IP address from a DHCP server
Specify an IP address
IP Address : 192 . 168 . 10 . 149
Subnet Mask : 255 . 255 . 255 . 0
Gateway : 192 . 168 . 10 . 10
Back
OK
Cancel

4 *(Optional)* In the **Subnet Mask** option, type the Subnet Mask your LAN or network segment is currently configured to use.

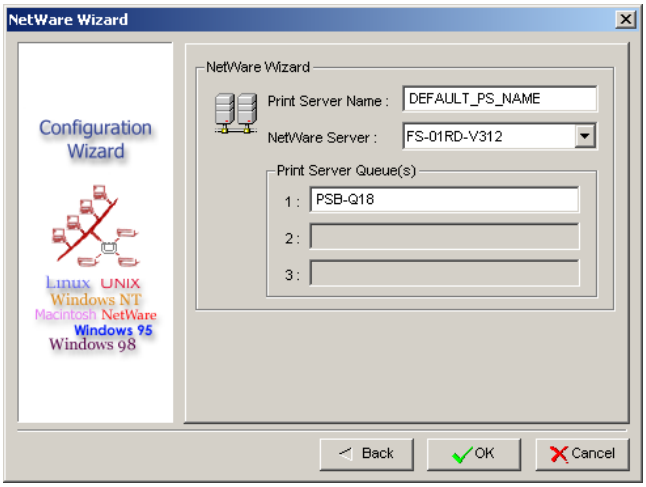
5 *(Optional)* In the **Gateway** field, type the IP address of gateway.

6 When done, click **OK** button. The program will save the above settings into the print server.

7 Done

NetWare Wizard

1. Log into your NetWare file server as a Supervisor (Admin.) or equivalent.
2. Click **Wizard** button just like a picture .and select **NetWare Wizard**, as follow picture.



3. Select the NetWare File Server to which the print server device will be attached.
4. Type in a Print server.
5. Type in a Print Queue Names.

Note: Each print queue corresponds to each print port of the print server.

---

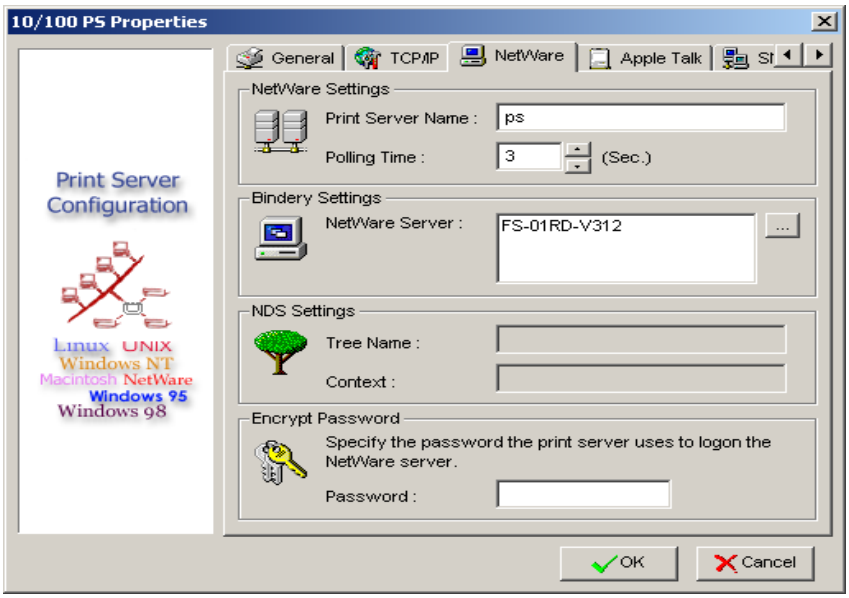
6. Click **OK**.
7. Done.
8. From your NetWare client computer, such as Windows 95/98/Me, create a printer that is connected (redirected) to one of the NetWare print queues serviced by the print server.

Manual Setup

Manual Setup is a configuration program designed for more experienced users of NetWare. To setup the print server by using Manual Setup follow the steps:

1. Run PCONSOLE in NetWare 3.x or NetWare 4.x and create the necessary parameters (Refer to your Novell NetWare print server/Services manual for details).
2. Log into your NetWare file server as a Supervisor (Admin.) or equivalent. From your Windows 95/98/Me, run PSAdmin.
3. Select the print server that you wish to configure.

4. Click **Properties** in the tool bar and the following screen will appear, **Properties** button just like a picture , as follow picture.



5. Select **NetWare** and type in the Print server that created during PCONSOLE.

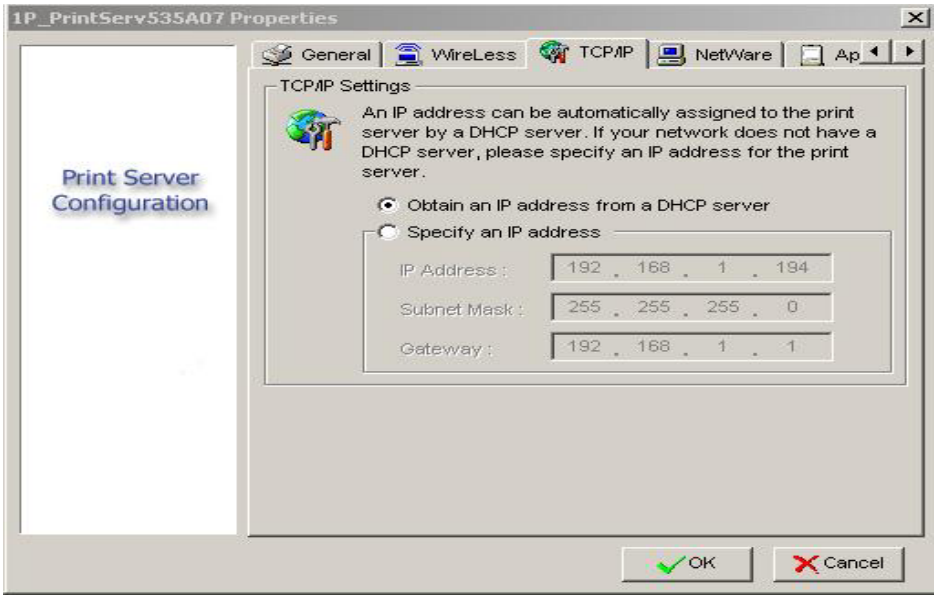
6. *(Optional)* In **Bindery Settings**, Select NetWare file server(s) that print server can do Bindery mode.

7. *(Optional)* In **NDS Settings**, Select NetWare file server(s), NetWare 4.x or later that print server can do NDS mode.

8. Click **OK**. From your NetWare client computer, such as Windows 95/98/Me, create a printer that is connected (redirected) to one of the NetWare print queues serviced by the print server.

Properties –TCP/IP Options

The TCP/IP options allow you to modify the print server's TCP/IP settings. Each option is detailed as follows.


1P_PrintServ535A07 Properties
General
WireLess
TCP/IP
NetWare
Ap
Print Server Configuration
TCP/IP Settings
An IP address can be automatically assigned to the print server by a DHCP server. If your network does not have a DHCP server, please specify an IP address for the print server.
Obtain an IP address from a DHCP server
Specify an IP address
IP Address :
192 . 168 . 1 . 194
Subnet Mask :
255 . 255 . 255 . 0
Gateway :
192 . 168 . 1 . 1
OK
Cancel

Obtain an IP address from a DHCP server:

This option enables or disables the DHCP feature of the print server. When this option is enabled, the print server will obtain an IP address automatically from the DHCP server on your LAN. **The default value is** "**Disable**".

Note: 1.Once this option is enabled, the following IP address, Subnet Mask, Gateway will be grayed out and are not available for editing.

2.While the print server supports DHCP, we strongly recommend you manually specify a **fixed** IP address to the print server.

Specify an IP address:

IP Address: This option shows the print server's current IP address maybe obtained from your DHCP server or manually specified. This option also allows you to manually specify an IP address to the print server, if DHCP option is disabled.

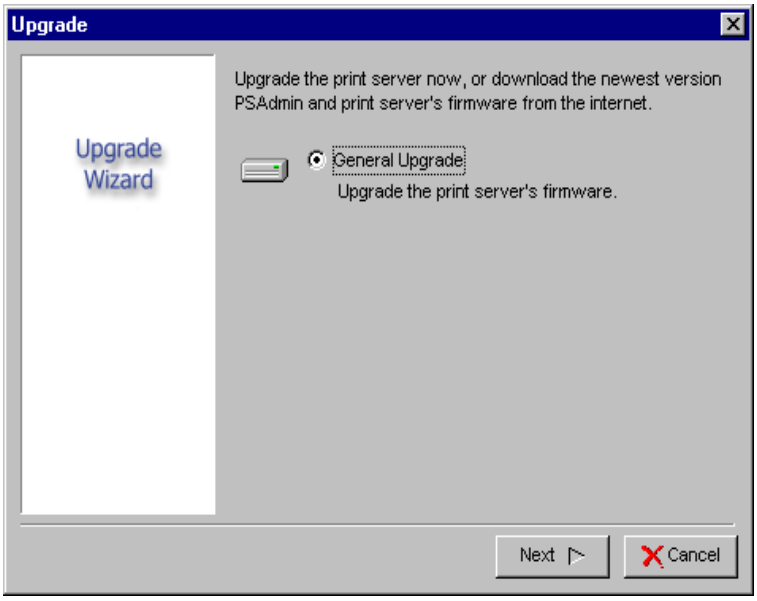
Subnet Mask: This option shows the print server's current subnet mask maybe obtained from the DHCP server or manually specified. This option also lets you manually specify a subnet mask to the print server, if DHCP option is disabled. **This value is optional**.

Gateway: This option shows the print server's current gateway address maybe obtained from the DHCP server or manually specified. The option also allows you to manually specify the IP address of the gateway to the print server, if DHCP option is disabled. **This value is optional**

Upgrade

Upgrade allows the user to upgrade the print server device. In order to upgrade the unit please perform the steps as follows:

1. Click **Upgrade** button just like a picture , as shown as follow picture


Upgrade
Upgrade Wizard
Upgrade the print server now, or download the newest version PSAdmin and print server's firmware from the internet.
General Upgrade
Upgrade the print server's firmware.
Next
Cancel

2. select **General Upgrade**. Make sure that the upgrade file is located in the same directory as PSAdmin.

Reset

1. Click **Reset** button just like a picture .

2. Reset allows the user to reset the print server device in order to establish a new connection or for new settings to take effect.

Refresh

1. Click **Reset** button just like a picture .

2. Refresh searches the network for all attached print server(s).

Note: Configure the print speed in the **Advanced** label, must match the printer's speed which connect to the print server. Undependable configuration will cause printer to abnormal printing.

Multiple Print Queues Configuration

To configure the print server to service multiple print queues, please follow the instructions listed below:

1. Log into your NetWare file server as a Supervisor (Admin.) or equivalent.
2. Run the **PSAdmin** from your Windows.
3. Select the print server and to be configured.
4. Click the **Wizard** icon in the tool bar.
5. Type in a Print server and a Print Queue Name (For more detailed information about **Wizard**, please refer to the "*Wizard*" section in this chapter).
6. Run the NetWare's PCONSOLE and create additional print queues.
7. Select the Print server name you specify in Step 5.
8. Select the "**Print server Configuration**" option and select the "**Queue Serviced by Printer**" option *(For NetWare 4.x's PCONSOLE, please select "Printers" option and select "Printer 0" instead)*.
9. Select the "**Printer 0**" and press the [*Insert*] key to add the print queues you create in Step 6 into the list *(For NetWare 4.x's PCONSOLE, please select "Print queues assigned" option instead)*.
10. Reset the print server by clicking the "**Reset**" icon from the PSAdmin. Done.

Note: Please refer to NetWare's Print server/Services manuals for detailed PCONSOLE commands.

Uninstalling the PSAdmin on Windows PC

To help users easily remove all installed software components of the PSAdmin from their Windows PC, and the PSAdmin software comes with un-installation wizard program that can automatically remove the software components from their Windows PC systems in minutes. Please follow the directions listed below to proceed with the un-installation procedure.
After the PSAdmin is removed, the print server is no longer accessible via the PSAdmin. You have to re-install the PSAdmin on your system in order to access the print server again.

Procedure:

1. Click **Start**, point to **Settings**, and select **Control Panel**.
2. Double click the **Add/Remove Programs** icon.
3. Click **Change or Remove Programs** tab.
4. Select **Network Print Monitor for Windows 95/98/NT/2000/XP** and click **Change/Remove** button.
5. The un-installation wizard program will be launched.
6. Follow the directions on the screen to complete the un-installation procedure.

4.Internet Printer Connection and HP Web JetAdmin

IPP Overview

Print server(s) support the Internet Printing Protocol (IPP). Using the appropriate software on your system, you can create an IPP print path from your system as Windows PC over the Internet.

Note: For incoming print path requests, the network administrator have to configure the firewall to accept incoming IPP requests.

Windows NT/2000/XP/2003

For Windows NT/2000/XP/2003, you can use a supported Web Browser, for example, Netscape or IE to view the embedded web server on the print server. Contact your administrator to get the IP address or URL of the printer and browse to the print server's web page.

For example, to install Windows 2000 by IPP service you must follow below information:

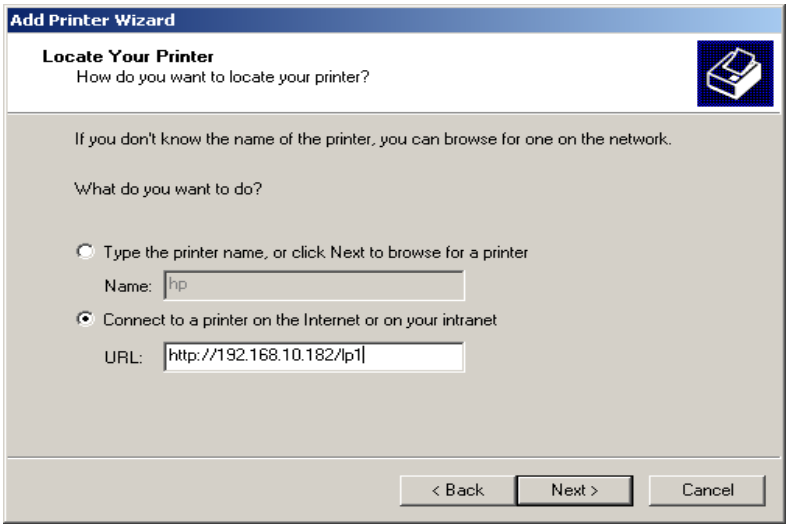
1.Click **Start** button.

2.Select **Settings**, and then select "**Printers**" option.

3.Click **Add Printer** icon. Appear welcome to the add printer wizard, Click **Next**.

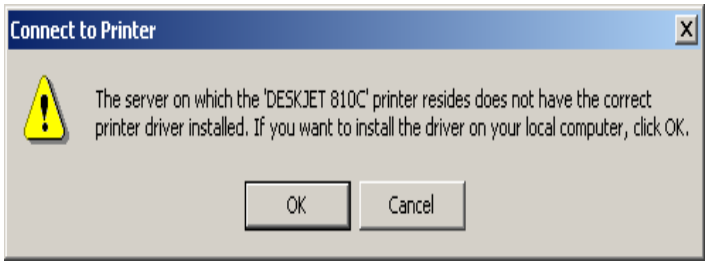
4.Select **Network printer** option, and then click "**Next**".

5.Select **Connect to a printer on the Internet or on your intranet** option, appear as follow picture.

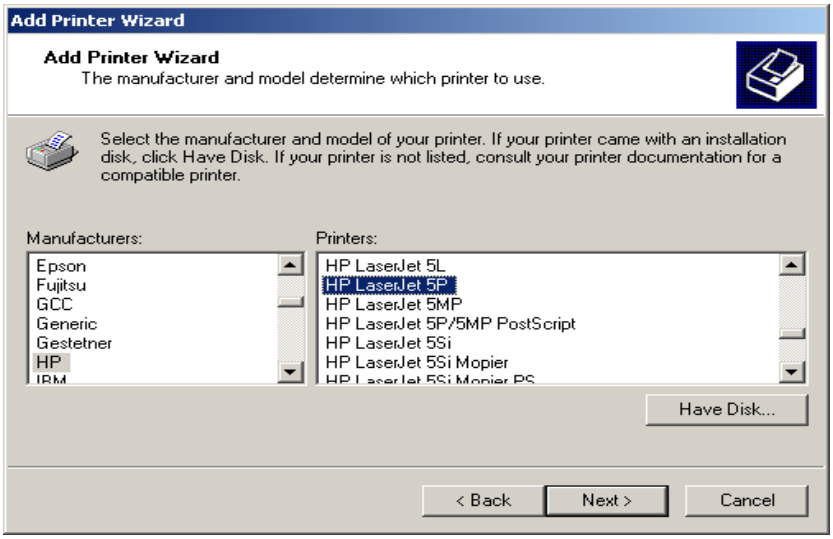

Add Printer Wizard
Locate Your Printer
How do you want to locate your printer?
If you don't know the name of the printer, you can browse for one on the network.
What do you want to do?
Type the printer name, or click Next to browse for a printer
Name:
hp
Connect to a printer on the Internet or on your intranet
URL:
http://192.168.10.182/lp1
< Back
Next >
Cancel

6. In URL's box, input print server's IP address, for example, http://192.168.10.182/lp1. Then Click **Next**.
   ** One port should be the port name as lp1.
   ** Three ports should be the port name as lp1, lp2, and lp3.

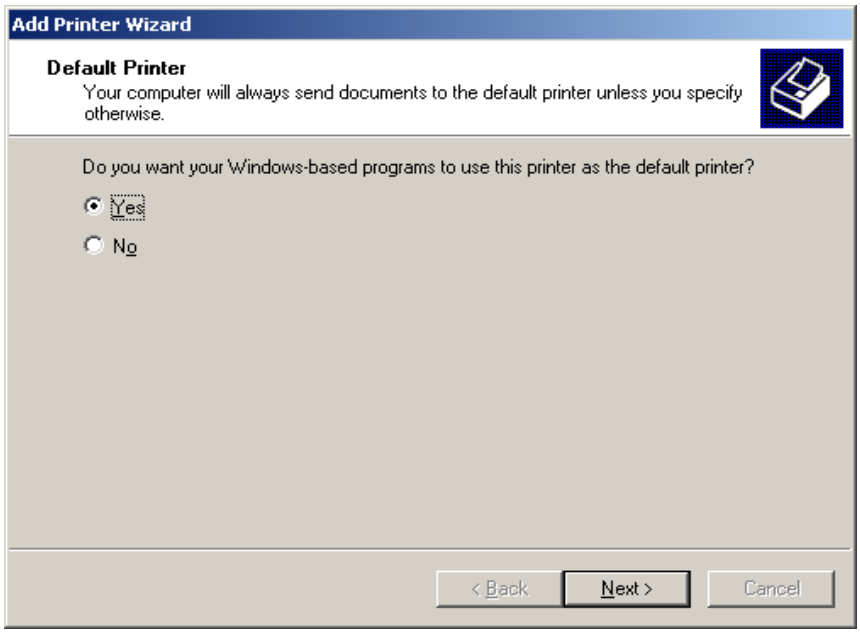
7. It will check print server to connect to HP printer, if not, it will appear as follow picture. Then Click **OK**.


Connect to Printer
The server on which the 'DESKJET 810C' printer resides does not have the correct printer driver installed. If you want to install the driver on your local computer, click OK.
OK
Cancel

8. Select the appropriate printer manufacturer and printer type and click "**Next**", appear as follow picture.


Add Printer Wizard
Add Printer Wizard
The manufacturer and model determine which printer to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.
Manufacturers:
Epson
Fujitsu
GCC
Generic
Gestetner
HP
Printers:
HP LaserJet 5L
HP LaserJet 5P
HP LaserJet 5MP
HP LaserJet 5P/5MP PostScript
HP LaserJet 5Si
HP LaserJet 5Si Mopier
Have Disk...
< Back
Next >
Cancel

9.If you want your Windows-based programs to use this printer as the default printer, please select “**Yes**”, and Click **Next**. It will appear as follow picture


Add Printer Wizard
Default Printer
Your computer will always send documents to the default printer unless you specify otherwise.
Do you want your Windows-based programs to use this printer as the default printer?
Yes
No
< Back
Next >
Cancel

13. Click Finish button.
14. Done.

HP Web JetAdmin Overview

HP Web JetAdmin allows you to use a Web browse to revise, view, manage and diagnose devices connected to the print server or any standard printer MIB devices.

For more information about a procedure or Windows in the HP Web JetAdmin software, see about HP’s relation document.

System Requirements

HP Web JetAdmin software runs on Microsoft Windows NT, HP-UX, Solaris, Red Hat Linux and SuSE Linux system. For information on supported operating systems and browser versions, we recommend IE or Netscape version 4 or higher. Please access HP Customer Care Online at http://www.hp.com/go/webjetadmin.

Note: When installed on a supported host server, HP Web JetAdmin can be accessed from any client through a supported Web browser by browsing to the HP Web JetAdmin host.

Installing HP Web JetAdmin

Before installing the HP Web JetAdmin software, you must have domain administrator or root privileges:

Download the installation files from HP Customer Care Online at http://www.hp.com/go/webjetadmin/.
Follow the instructions on the screen to install the HP Web JetAdmin software.

Note: Installation instructions are also contained in the HP Web JetAdmin install file.

Confirming Installation and Supply Access

- Confirming that the HP Web JetAdmin software is correctly installed by navigating to it with your browser as shown in the following. For example, http:// server domain port/ where server domain is the host name of your web server and port is the port number assigned during installation.

- Supply users access to HP Web JetAdmin software by adding a link to your web server's home page that is addressed to HP Web JetAdmin's URL. For example: http://server.domain:port/

Configuring and Modifying a Device

Using your browser, navigate to HP Web JetAdmin's URL. For example:
http://server.domain:port/
Follow the instructions on the appropriate home page to configure or modify your printer.

Note: You can also substitute the server domain with TCP/IP address.

Removing HP Web JetAdmin Utility

To remove HP Web JetAdmin software from your web server, use the uninstall program provided with the software package.

5. Configuration from Embedded Web Server

Overview

The Print Server contains an embedded web server that can be accessed through a supported web browser on a LAN, for example, IE 4.0, Netscape 4.0 or above is recommended.

The embedded web server provides access to configuration and management pages for the print server and the connected peripheral device.

Using Embedded Web Server

Before you can use the embedded web server, the print server must be configured with an IP address. There are many ways to configure the print server's IP address. For example, the Windows-based of PSAdmin utility can easily set an IP address with the print server, please see the Properties – TCP/IP options of chapter 3.

After an IP address is established on the print server, perform the following step:

Status Menu

Once you have finished the IP address configuration with print server. You should be use web browser to view and management the print server. The status menu of the print server helps administrator control the print server's System, Printer, NetWare, TCP/IP, SNMP and AppleTalk of status for the time being.

Preparation

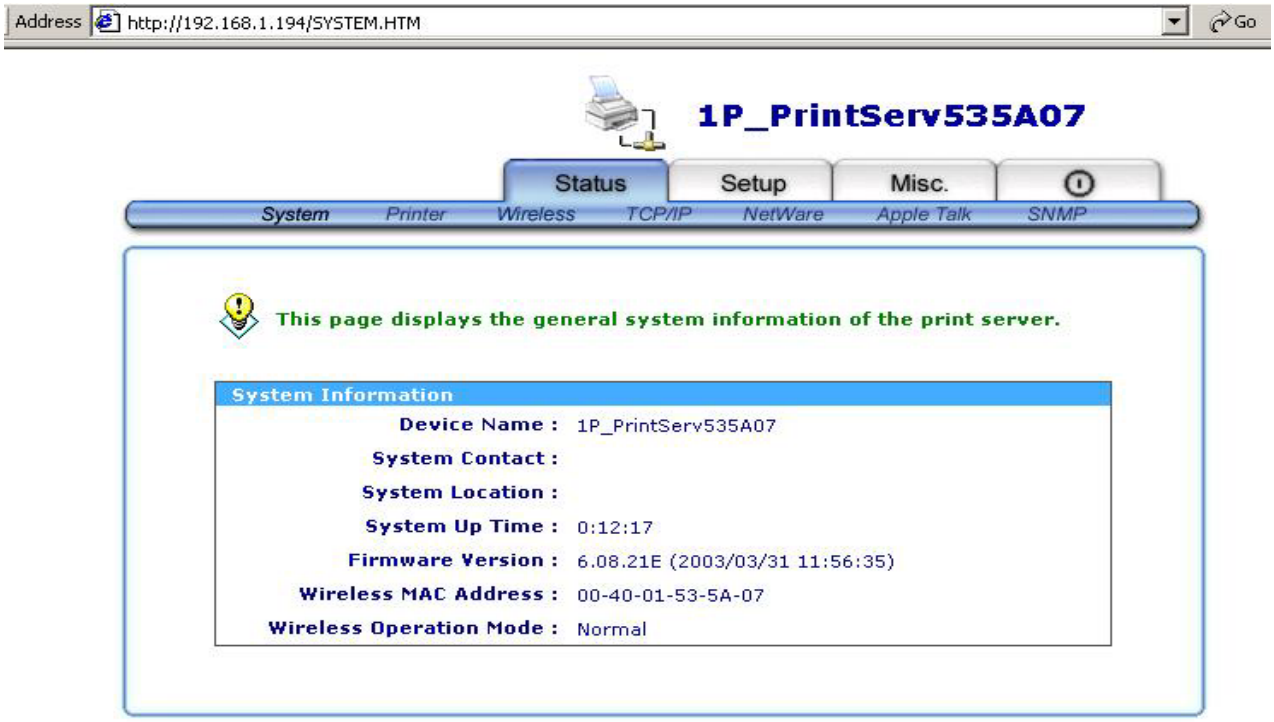
Enter the IP address of the print server as the URL, for example, 192.168.10.132. Then the print server's home page will appear in content of the web browser.

Please follow this information in the status menu of the print server:

System Status

1.Click **Status**, it then appears the sub-menu.

2.Click **System**, it then as shown in the following picture.



Device Name: This option allows you to view device name of the print server. To correct the print server's device name.

System Contact: This option allows you to view contact name of the print server. To check the print server's contact name who in charge of this device.

System Location: This option allows you to view Location name of the print server. To confirm the print server's location name where the print server is located in the office's LAN.

System Uptime: This option allows you to view uptime of the print server. When you start the print server, it will compute the print server from start time to power off time.

Firmware Version: This option allows you to view firmware version of the print server. To verify the print server's firmware version is newer in this time.

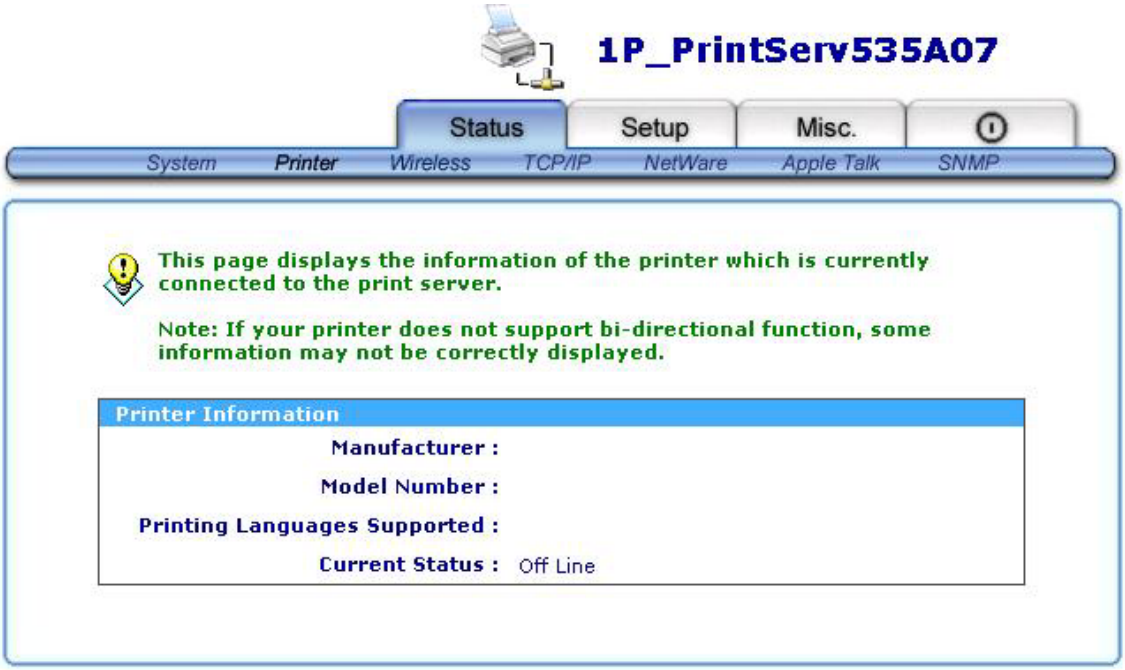
Wireless MAC Address: This option allows you to view Node ID of the print server. The Node ID is unique from any print server.

Wireless Operation Mode: This option allows you to view the current wireless operation mode of your print server.

Printer Status

1.Click **Status**, it then appears the sub-menu.

2.Click **Printer**, it then as shown in the following picture.



Manufacturer: This option allows you to view manufacturer of the printer. When the printer connected with the print server, it will be show in the manufacture box.

Model Number: This option allows you to view model of the printer. When the printer connected with the print server, it will be show in the model box.

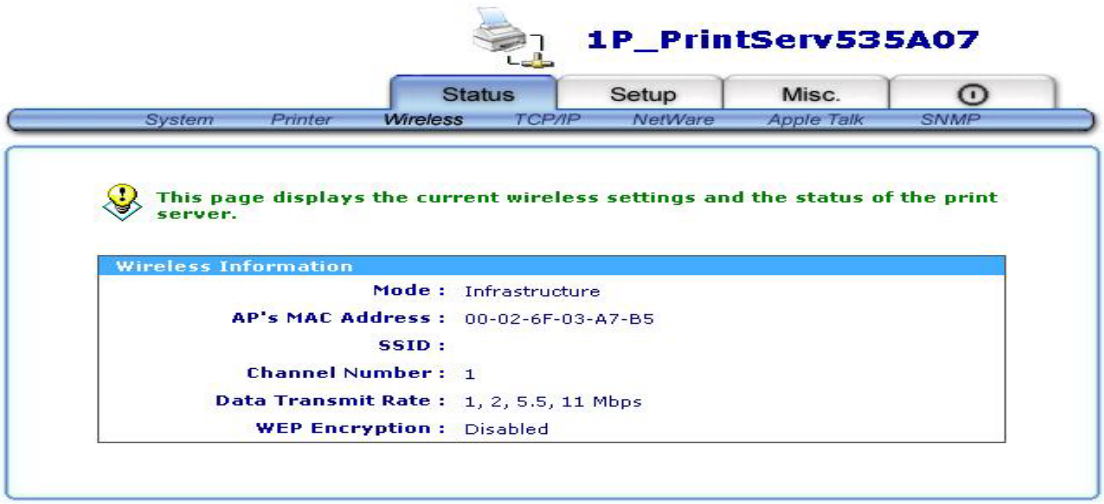
Printing Language Supported: This option allows you to view command to set the printer. When the printer connected with the print server, it will be show in the command box.

Current Status: This option allows you to view status of the printer. When the printer connected with the print server, it will be show in the status box. For Example, Waiting for job. It is means the printer already to printing.

Wireless Status

1.Click **Status**, it then appears the sub-menu.

2.Click **Wireless**, it then as shown in the following picture.



Mode: This option shows the wireless operation mode of your print server.

AP's MAC Address: This option shows the MAC address your wireless AP.

SSID: The ESSID of your wireless network.

Channel Number: Current channel number.

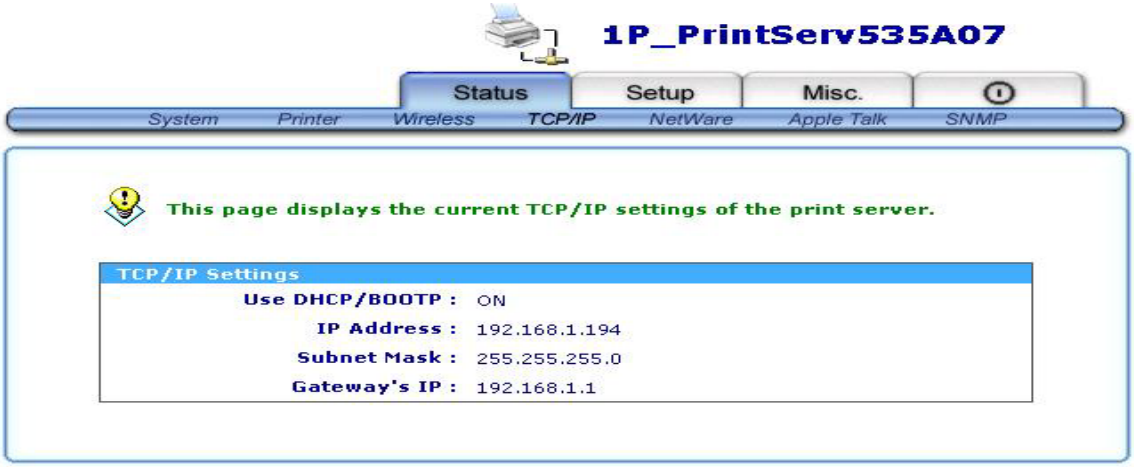
Data Transmit Rate: Current transmit rate.

WEP Encryption: The status of WEP encryption.

TCP/IP Status

1.Click **Status**, it then appears the sub-menu.

2.Click **TCP/IP**, it then as shown in the following picture.



Use DHCP/BOOTP: This option allows you to view DHCP/ BOOTP status. If there is a DHCP/BOOTP server on your network, this option allows the print server to obtain IP-related settings automatically from your DHCP server.

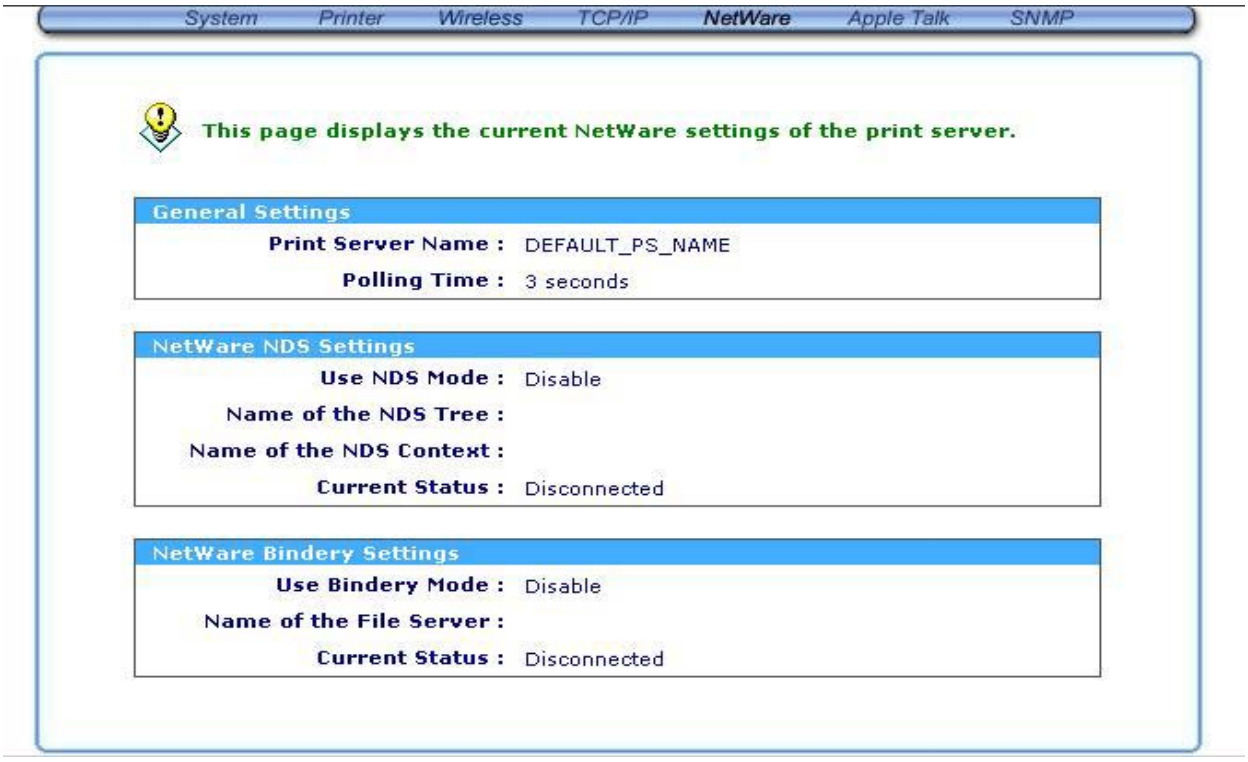
IP Address: This option allows you to view IP address from the print server. The IP address must meet the IP addressing requirements of the network segment.

Subnet Mask: This option allows you to view subnet mask from the print server. The IP address must meet the IP addressing requirements of the network segment.

Gateway's IP: This option allows you to view gateway from the print server. This IP address of gateway must meet the router or gateway to go across of the network segment.

Netware Status:

1. Click **Status**, it then appears the sub-menu.
2. Click **Netware** it then as shown in the following picture.



General Settings:

Print Server Name: This option allows you to view print server's name would be configured by PSAdmin utility.

Polling Time: This option allows you to view polling time from the print server. This function is search for NetWare Server by per time.

NetWare NDS Setting:

Use NDS Mode: Enable or Disable.

Name of the NDS Tree.

Name of the NDS Content.

Current Status: Connect or Disconnect.

NetWare Bindery Setting:

Use Bindery Mode: Enable or Disable.

Name of the File Server:

Current Status: Connect or Disconnect.

SNMP Status

1.Click **Status**, it then appears the sub-menu.

2.Click **SNMP**, it then as shown in the following picture.

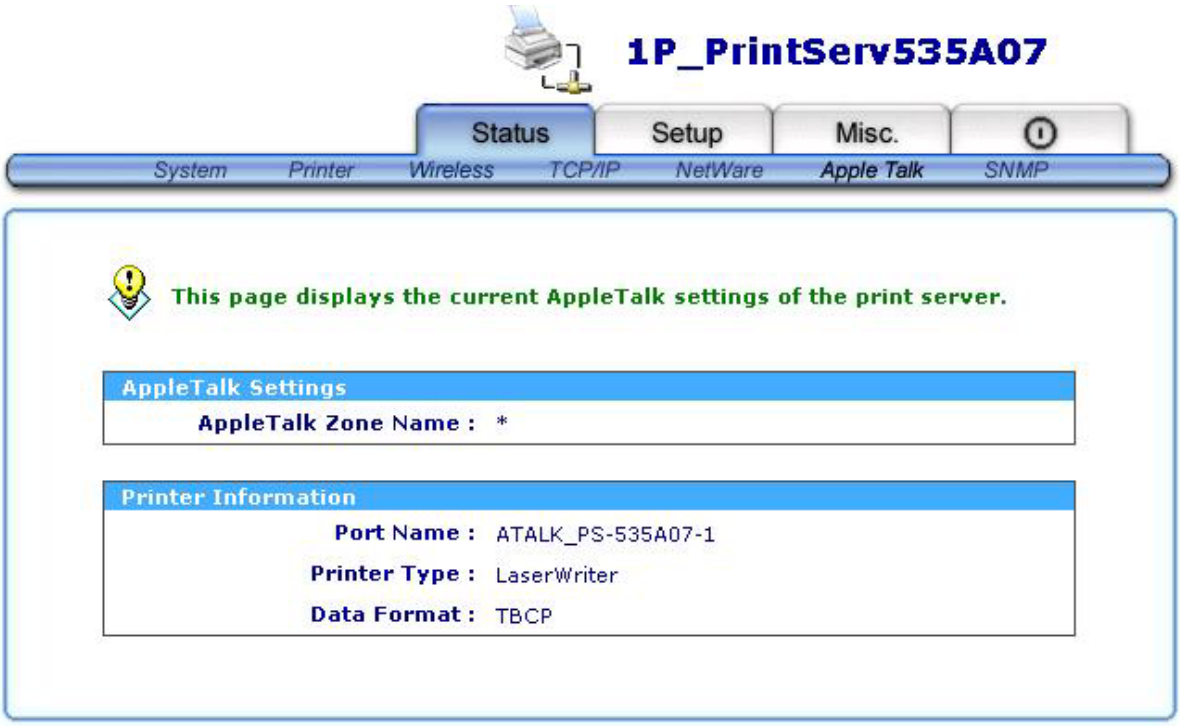
SNMP Communities: This option allows you to view SNMP communities from the print server. There are two communities that control message from the network management of the print server.

SNMP Traps: This option allows you to view SNMP traps from the print server.

AppleTalk Status

1.Click **Status**, it then appears the sub-menu.

2.Click **AppleTalk**, it then as shown in the following picture.



Zone Name: If no any zone exists, the print server itself displays the zone name as an asterisk (*) in the current **AppleTalk Status** of the print server in the web browser.

Port Name: <***ATALK_PS***>***-xxxxxx-1***, where xxxxxx represents the last six digits of the print server's Node ID.

Printer Type: This option allows you to view printer type from the print server. If you are using a PostScript printer you can select the LaserWriter 8 icon from your Mac computer.

Data Format: This option allows you to view data format from the print server. If you are using a PostScript printer you can select **ASCII**, **TBCP** or **BCP** format from web configuration.

Setup Menu

Meanwhile, you have finished the IP address configuration with print server. You should use web browser to configure the print server. The setup menu of the print server helps administrator to setup the print server's System, Printer, NetWare, TCP/IP, SNMP and AppleTalk.

Preparation

Enter the IP address of the print server as the URL, for example, 192.168.10.132. Then the print server's home page will appear in content of the web browser.
Please follow this information in the setup menu of the print server:

System Setup

1.Click **Setup**, it then appears the sub-menu.

2.Click **System**, it then as shown in the following picture.

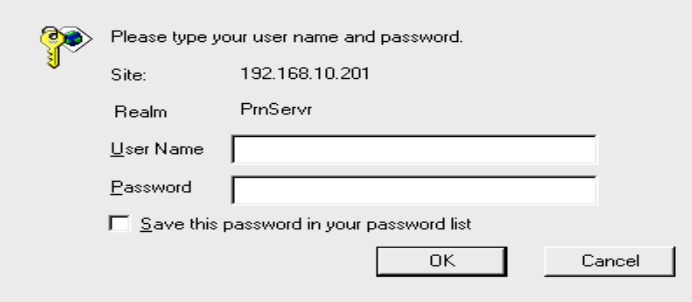
Device Name: This option allows you to input device name of the print server. To correct the print server's device name.

System Contact: This option allows you to input contact name of the print server. To check the print server's contact name who in charge of this device.

System Location: This option allows you to input Location name of the print server. To confirm the print server's location name where the print server is located in the office's LAN.

Password: This option allows you to input setup password of the print server. When you select setup menu of web configuration from the print server, it then as shown in the following picture.

Re-type Password.

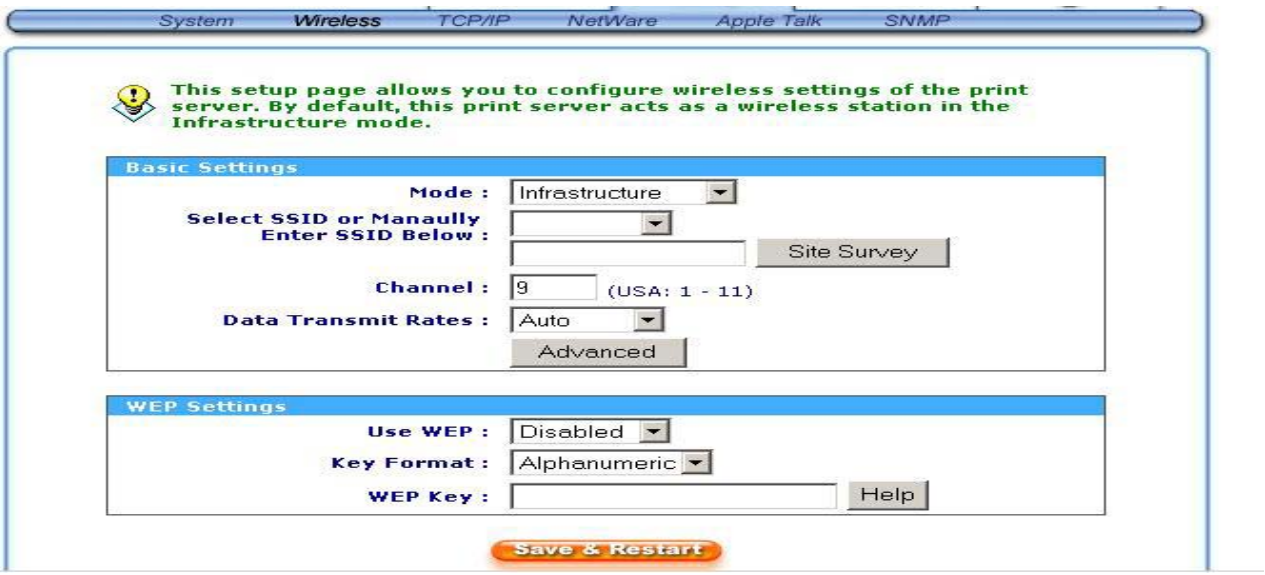


- **User Name:** You must be input the default administration user name, **admin** as login user name.
- **Password**: The default password is empty. After setup password is completed from the print server, you should to remember this password to input password box.

Wireless Setup:

1.Click **Setup**, it then appears the sub-menu.

2.Click **Wireless**, it then as shown in the following picture.



Basic Settings:

Mode: Infrastructure, Ad-hoc or 802.11b Ad-Hoc.

Select SSID or Manually Enter SSID Below: You can use **Site Survey** to help you assign a SSID or input in manually.
Channel: Specify a Channel number that meet your enviromemt.
Data Transmit Rates: Choose the transmit rate of your wireless print server.

WEP Settings:

USE WEP: Disabled or Enabled.

Key Format: Alphanumeric or Hexadecimal.

WEP key: Input your WEP key in this field.

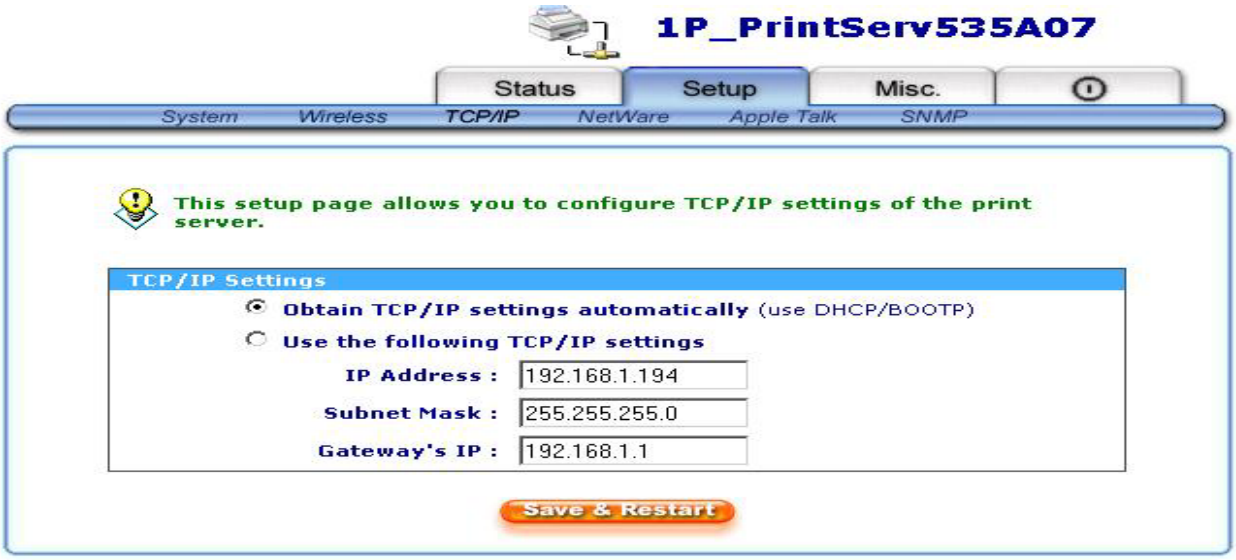
Printer Setup (parallel print server only)

1. Click **Setup**, it then appears the sub-menu.
2. Click **Printer**, it then as shown in the following picture.

Bi-directional: This option allows you to select the bi-directional of the print server. There are two ways to select this option, includes **Disable** or **Auto Detect**.

TCP IP Status:

1. Click **Setup**, it then appears the sub-menu.
2. Click **TCP/IP**, it then as shown in the following picture.



DHCP/BOOTP: This option allows you to select DHCP/ BOOTP option. If there is a DHCP/BOOTP server on your network. This option allows the print server to obtain IP-related settings automatically from your DHCP server.

IP Address: This option allows you to input IP address from the print server. The IP address must meet the IP addressing requirements of the network segment.

Subnet Mask: This option allows you to input subnet mask from the print server. The IP address must meet the IP addressing requirements of the network segment.

Gateway: This option allows you to input gateway from the print server. This IP address of gateway must meet the router or gateway to go across of the network segment.

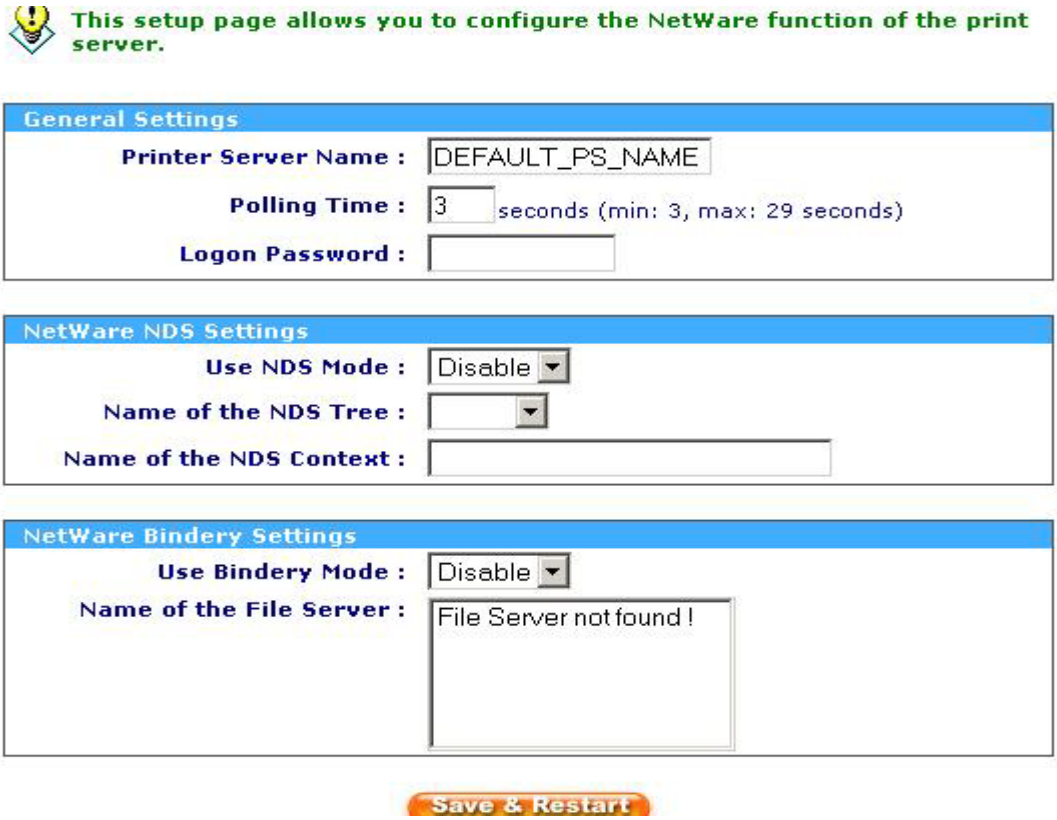
NetWare Setup

1.Log into your NetWare file server as a Supervisor (Admin.) or equivalent.

2.Select NetWare and type in the Print server that created during PCONSOLE Select the NetWare File Server to which the print server device will be attached.

3.Click **Setup**, it then appears the sub-menu.

4.Click **NetWare**, it then as shown in the following picture.


This setup page allows you to configure the NetWare function of the print server.
General Settings
Printer Server Name :
DEFAULT_PS_NAME
Polling Time :
3
seconds (min: 3, max: 29 seconds)
Logon Password :
NetWare NDS Settings
Use NDS Mode :
Disable
Name of the NDS Tree :
Name of the NDS Context :
NetWare Bindery Settings
Use Bindery Mode :
Disable
Name of the File Server :
File Server not found !
Save & Restart

Print Server Name: This option allows you to input print server name which configured by PSAdmin utility or PCOMSOLE program.

Polling Time: The time interval in which the print server unit polls the file server for servicing of print queues.

Logon Password: This option allows you to input encrypted password from the print server. The print server login to NetWare server that administrator set password from selected print server.

NDS Mode: To Enable NDS Mode, if you want to setup NDS environment. To select **Tree Name** of NetWare then input context name in the **Context** box.

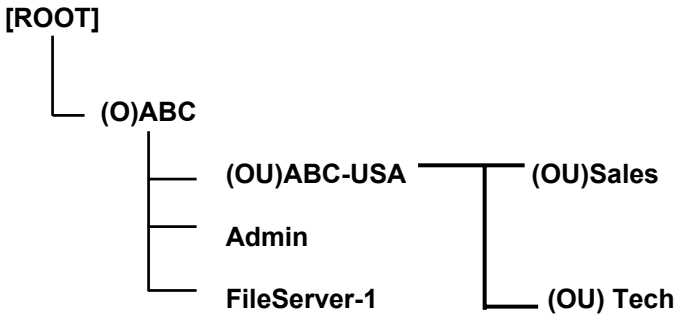
Bindery Mode: To Enable Bindery Mode, if you want to setup Bindery environment. To select **File Server Name** of NetWare.

Installing Print Server on NetWare 4.x/5.x

Due to its architecture and functionality, the print server must work under NetWare 4.x/5.x NDS Bindery Emulation. When you install the NetWare file server for the first time, by default, the installation program will automatically set up the **Bindery Emulation** function for you by adding "SET BINDERY CONTEXT =" in the AUTOEXEC.NCF file. By default, the bindery context will only be set on your organization (O) object.

If you have ever modified this line, or if you have ever added any organization units (OU) to your NDS tree after the NetWare system was installed, please read the following section before you install the print server.

For the purpose of illustration, we assume the NDS tress structure is as follows:



Installation Procedure

1. At your file server console, type "**load install**".
2. Select "**NCF files options**".
3. Select "**Edit AUTOEXEC.NCF file**".
4. Add or Modify the "**SET BINDERY CONTEXT =**" line to include the NDS organization (O) and all organization unit (OU) objects where users are located. For example: SET BINDERY CONTEXT = O=ABC; OU=SALES.OU=ABC-USA.O=ABC; OU=TECH.OU=ABC-USA.O=ABC ;
5. When done, save the new **AUTOEXEC.NCF** file. Please restart your NetWare file server in order for new settings to take effect immediately.
6. Next, please refer to "**Auto Setup**" section in this chapter to finish installing your print server.
7. Log into your NetWare file server as a Supervisor (Admin.) or equivalent *via a Bindery connection*.
8. Run NetWare's PCONSOLE and add users to the "**Queue Users**" list.
9. From your NetWare client computer, such as Windows 95/98/Me, create a printer that is connected (redirected) to the NetWare print queue serviced by the print server.

Note: Please refer to NetWare's Print Server/Services manuals for detailed PCONSOLE commands.

SNMP Setup

TCP/IP networks use a standard management protocol called *Simple Network Management Protocol* (SNMP). SNMP is widely used in the industry as a solution for remote network management and monitoring of networking devices. SNMP actually includes a protocol, a database structure specification, and a set of database objects. The database objects are contained in a standard database called *Management Information Base* (MIB) that is stored on the networking device called *SNMP agent*. The print server's SNMP implementation runs in a TCP/IP environment.

A host on the network running Network Management System (NMS) software can access the print server device by reading and writing the MIB objects stored in the device. The Network Management Systems are available from many third-party vendors, such as Hewlett-Packard's OpenView.

When accessing (traversing) MIB objects in the print server using NMS software called *SNMP manager,* you need to provide a *community name* in each SNMP request for authentication purpose. The print server supports up to two community names. The default community name is *public* (case-sensitive), with *Read Only* access right in default.

When an unusual condition or activity occurs, the SNMP agent alerts the SNMP manager through *SNMP traps*. Following list summaries SNMP trap messages that the print server will send out.

Activities/SNMP Trap Messages	Description
Link Up or Link Down	When the network interface on the print server fails, a link down trap message is generated; if the network interface comes back to life, a link up trap message is sent.
Cold Start or Warm Start	When the print server restarts, the cold start or warm start trap message is generated.
Authentication Failure	When the print server received a SNMP request with a community name that does not match the community name the print server is configured with (stored in the print server's memory), an authentication failure trap message is generated.

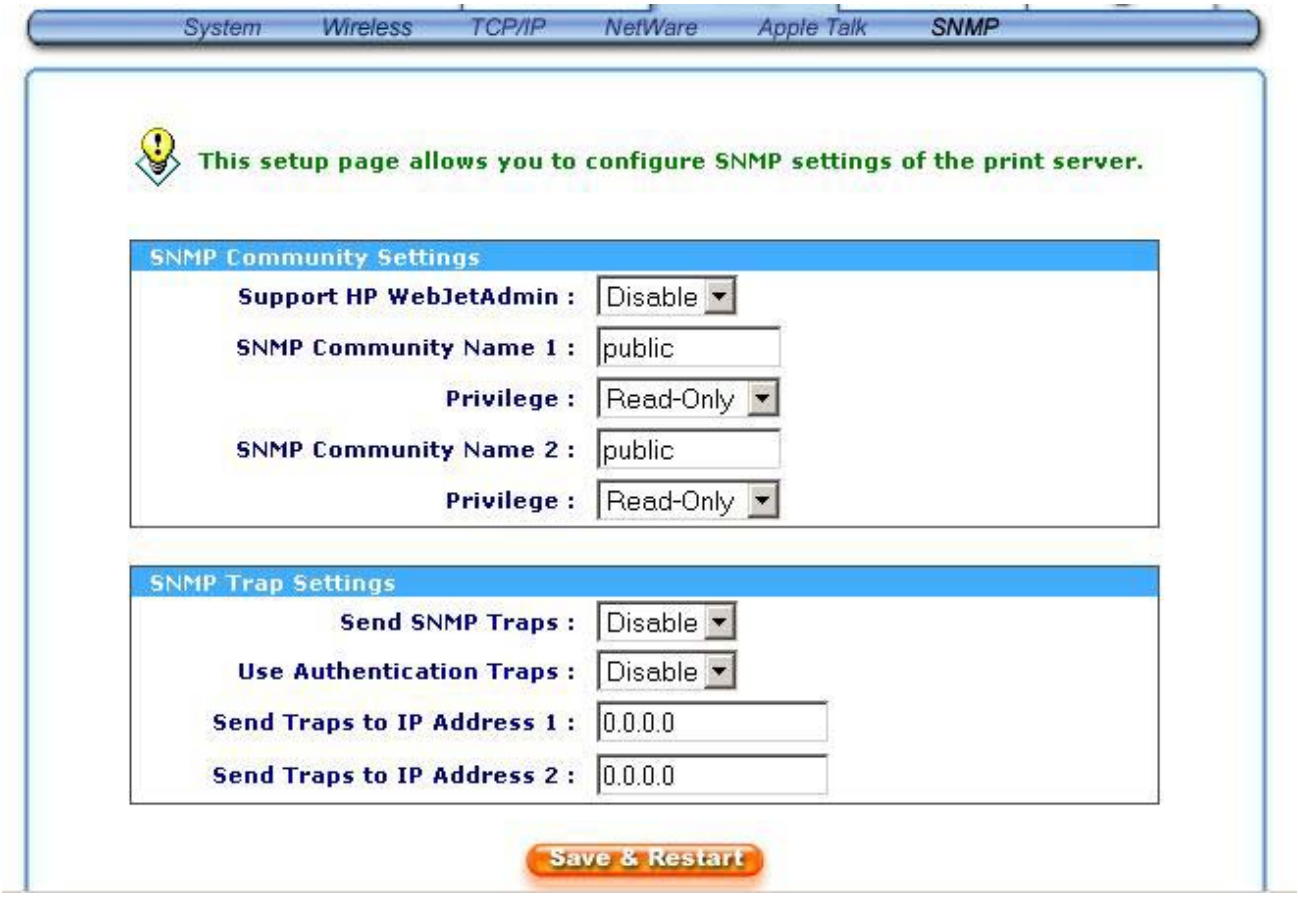
In the print server's SNMP implementation, the following MIB objects are available for updating.

MIB Object Names	Description
system.sysContact	Indicates the network administrator's name.
system.sysName	Indicates the print server's name for identification.
system.sysLocation	Indicates the location of the print server.
snmp.snmpEnableAuthenTraps	Enables or disables the function of sending SNMP Authentication Failure trap message to the network administrator, if the community name within a SNMP request is not correct.

Users can set up print server's SNMP functions by using their browsers.

1.Click **Setup**, it then appears the sub-menu.

2.Click **SNMP**, it then as shown in the following picture.



SNMP Community: The print server supports up to two community names. The default community name is *public* (case-sensitive), with *Read Only* access right in default.

Support HP WebJetAdmin: This option allows user determine to disable/enable the Support HP WebJetAdmin.

SNMP Traps: Enable the function of sending SNMP Authentication Failure trap message to the network administrator, if the community name within a SNMP request is not correct.

AppleTalk Setup

The print server can print jobs submitted from Macintosh workstations connected to an Ethernet using AppleTalk protocol. The basic configuration is for the print server in an AppleTalk environment is performed simply by opening the ***Chooser*** window and selecting a printer that is connected to the print server.

1.Click **Setup**, it appears the sub-menu.

2.Click **AppleTalk**, it as shown in the following picture.

3.**Zone Name:** In this option, type an AppleTalk Zone name that you want the print server to belong to or leave it in default *(This enables the print server automatically search and link itself to the default zone that is set on the AppleTalk router, if found)*. We also assume that at least an AppleTalk Zone exists on the network. If no any zone exists, the print server itself displays the zone name as an asterisk (*) in the current **AppleTalk Status** of the print server in the web browser.

4.**Port Name:** In this option, type a name for identification purpose or just leave it in default (**recommended**).

Note: The default print server's Chooser name is as shown as follows:
<***ATALK_PS***>***-xxxxxx-1***, where xxxxxx represents the last six digits of the device's Node ID. For example: ATALK_PS-40EEED-1. You may also change the <***ATALK_PS***> to a name you like for identification purpose in this option. The print server will append the last six digits to the name you specify.

5. **Printer Type**: In this option, the **LaserWriter** of printer type by default (**recommended**).

6.**Data Format:** In this option, data format includes **ASCII**, **TBCP** and **BCP**.

Setting Up a Macintosh Computer

1. At a Macintosh computer, from the **Apple** menu, select **Chooser**.

2. The **Chooser** window then displays an Apple Zone list. Select the Zone name that you specified when configuring the PRINT SERVER.

Note: If you select a Zone that the PRINT SERVER doesn't belong to, as you specified in the previous section, no N7119+ will be displayed in the Step 4.

3. If you are using a PostScript printer you can select the **LaserWriter 8** icon.

4. The **Chooser** window then displays PRINT SERVER (s) featuring the support for AppleTalk protocol, along with its default *Chooser Name* in the right-hand **Select A PostScript Printer** dialog box.

Note: 1.You may change the default Chooser name and Zone name of a PRINT SERVER by using your web browser before proceeding with this installation. Please see the previous section in this chapter for details.
2. If you use **Mac OS 8.x or 9.x**, **please make sure your printer support PostScript.**

5. Click **Setup…** button and choose the **PPD** file matching your printer, and click **OK**. If your printer does not appear in the PPD file list, please contact your printer vendor. You may also use the ***Generic PPD*** if you do not need any printer specific features.

6. Close the **Chooser** Windows.

7. Done.

6. Network Print Monitor

Preparation

The print server supports **TCP/IP**, **IPX/SPX** and **NetBEUI** protocols under Windows 95/98/Me. Please make sure that the following steps have been completed before proceeding with installation under Windows PC.

Select A Desired Protocol

TCP/IP

- ☐ The TCP/IP Protocol must be installed. For further information, please read "*TCP/IP Protocol Installation"* section in this chapter.

Note: If TCP/IP protocol is chosen, please refer to "Assigning an IP Address to the print server" section later in this chapter.

IPX/SPX

The IPX/SPX-compatible Protocol must be installed. For further information, please read "*IPX/SPX-compatible Protocol Installation"* section in this chapter.

NetBEUI

The NetBEUI protocol must be installed. For further information, please read "*NetBEUI Protocol Installation"* section in this chapter.

TCP/IP Protocol Installation

1. Click **Start**, point to **Settings** and select **Control Panel**.
2. Double click the **Network** icon.
3. If the **TCP/IP Protocol** is not already installed, click **Add**.
4. Select **Protocol** and click **Add**.
5. Select **Microsoft** from the Manufacturers list.
6. Select **TCP/IP Protocol** from the Network Protocols list.
7. Specify an IP address, Subnet Mask, and Gateway address or specific “Obtain IP address automatically”, if a DHCP server is available on the LAN.
8. **Restart the computer.**
9. Done.

Note: Using TCP/IP protocol to access the print server requires well-configured TCP/IP settings. If you are not familiar with these settings, please consult your network administrator for details or ask for help.

IPX/SPX-compatible Protocol Installation

1. Click **Start**, point to **Settings**, and select **Control Panel**.
2. Double click the **Network** icon.
3. If the **IPX/SPX-compatible Protocol** is not already installed, click **Add**.
4. Select **Protocol** and click **Add**.
5. Select **Microsoft** from the Manufacturers list.
6. Select **IPX/SPX-compatible Protocol** from the Network Protocols list and follow the instructions on the screen.
7. **Restart the computer.**
8. Done.

NetBEUI Protocol Installation

1. Click **Start**, point to **Settings**, and select **Control Panel**.
2. Double click the **Network** icon.
3. If the **NetBEUI** is not already installed, click **Add**.
4. Select **Protocol** and click **Add**.
5. Select **Microsoft** from the *Manufacturers* list.
6. Select **NetBEUI** from the *Network Protocols* box and follow the instructions on the screen.
7. **Restart your computer** for new settings to take effect.
8. Done.

Note: For more detailed information, please refer to your Microsoft Windows 9X/ME/NT/2000/XP manuals.

Win 95/98/Me/NT/2000/XP Installation Procedure

Please perform the steps as follows to ensure a smooth installation:

1. Run **Setup** from the print server's NetWare, Win 95/98/Me/NT/2000/XP Setup diskette
2. The **Network Print Monitor for Windows 95/98/Me Setup** will then appear. Click **Next**.
3. A message reading, "Setup is complete. You may add the Network Print Port by using the PSAdmin" will appear. Click **OK**.
4. Click **Start**, point to **Settings**, and select **Printers**.
5. Double-click the **Add Printer** icon.
6. Select **Local Printer** and click **Next**.
7. Select the appropriate printer manufacturer and printer type and click **Next**.
8. Select **LPT1** and click **Next**.

9. Type in the **Printer Name** and click **Next**.

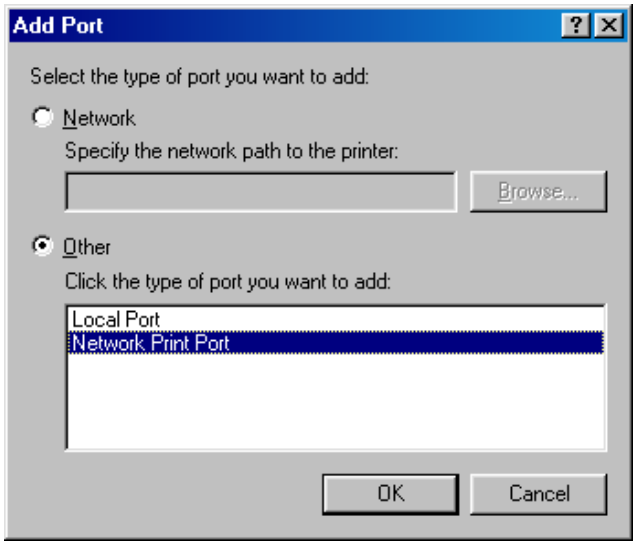
10. A message reading, “After your printer is installed, Windows can print a test page so you can confirm that the printer is set up properly.” Select **No** and click **Finish**.

11. Double-click the newly created **Printer Name** icon.

12. Select **Printer** and **Properties**.

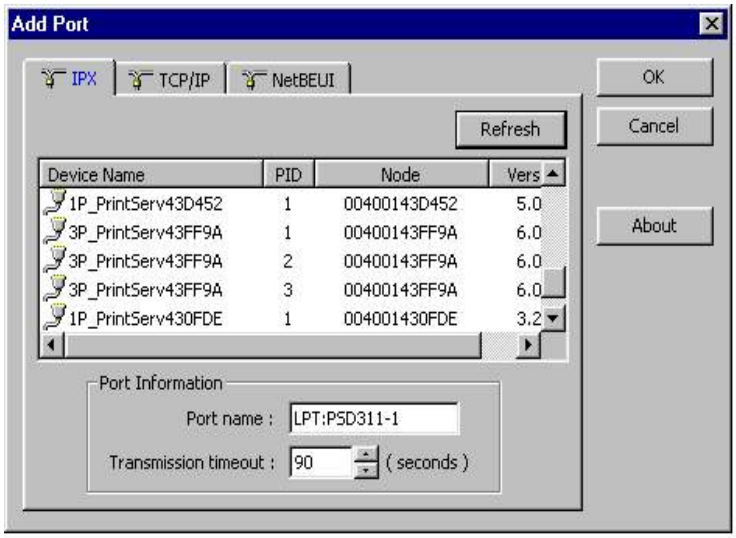
13. Click **Details** tab and select **Add Port**.

14. In the **Add Port** dialog box, select **Other,** as shown in the following picture.



15. Select the **Network Print Port** and click **OK**.

16. The Add Port box will then appear, along with the print server’s Node ID *(The last 6 digits of the Node ID, located on the back of the print server unit)*. Select one printer server port from the list, which is now connected to (one of) your printer(s), as shown in the following picture.



- By default, the computer will first search for the print server(s) on the network by using the IPX/SPX protocol.

- If the IPX/SPX protocol is installed, the print server will be displayed along with its Node ID, as shown in Node column. *(The last 6 digits of the Node ID, located on the back of the print server unit)*. Select one of the print server's ports from the list.

- If the IPX/SPX protocol is *not* installed, no print server will be shown in the display box. Then please select TCP/IP or NetBEUI alternatively.

- It starts again to search for the print server on the network by using the protocol you specify in the step above. When finished, the print server will be displayed along with the its Node ID, as shown in the following picture. *(The last 6 digits of the Node ID, located on the back of the print server unit)*. Select one of the print server's ports from the list.

Uninstalling Network Print Port on Windows 95/98/Me/NT/2000/XP

To provide users an easiest way to remove all of the Network Print Port components from Windows 95/98/Me, the Network Print Port software comes with un-installation wizard program to help users remove the software components from their Windows 95/98/Me/NT/2000/XP systems in minutes. Please follow the directions listed below to proceed with the un-installation procedure.
After the Network Print Port is removed, the print server is no longer accessible via the Network Print Port. You have to re-install the Network Print Port on your system in order to access the print server again.

Procedure:

1. Click **Start**, point to **Settings**, and select **Control Panel**.
2. Double click the **Add/Remove Programs** icon.
3. Click **Add/Remove** tab.
4. Select **Network Print Monitor for Windows 95/98/Me** and click **Add/Remove** button.
5. The un-installation wizard program will be launched.
6. Follow the directions on the screen to complete the un-installation procedure.

Note: We recommend you ***restart*** your computer after un-installation is finished.

7. TCP/IP LPR Port Printing Installation

Basic TCP/IP Installation Overview

When installing your print server in a TCP/IP environment, IP addresses are essential as a basic means of communications. It is therefore necessary to first assign an IP address to your print server unit. After assigning an IP address, the print server can be configured accordingly.

Assigning an IP Address

The first step to install a print server on a TCP/IP network is to assign the print server an IP address and other related TCP/IP settings before the print server can function. You can select the following two methods to specify an IP address the print server. Each method will be detailed in the following section.

1. Use the **Network Print Monitor** utility.

2. Manually specify (using DOS commands or UNIX text-mode commands. This applies to Windows NT/2000/XP and UNIX systems).

Note: The **Network Print Monitor** can only search for the print server(s) over the same network segment the Windows NT/2000/XP/UNIX computer is located. You would like to install a print server on a different network segment.

DHCP

The print server supports DHCP feature, allowing the print server to obtain an IP address and related TCP/IP settings automatically from a DHCP server. While the print server supports

DHCP, we strongly recommend you manually specify a **fixed** IP address to the print server. By default, the print server's DHCP function is disabled.

Windows NT LPR Port Printing Installation

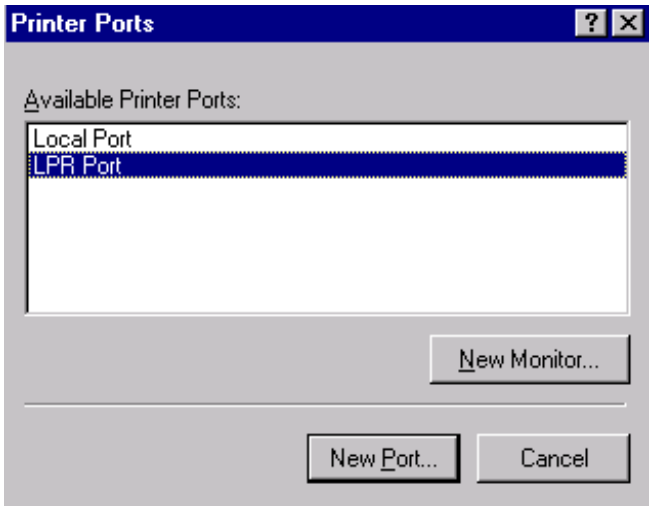
1. Click **Start**, point to **Settings**, and select **Printer**.

2. Run **Add Printer**.

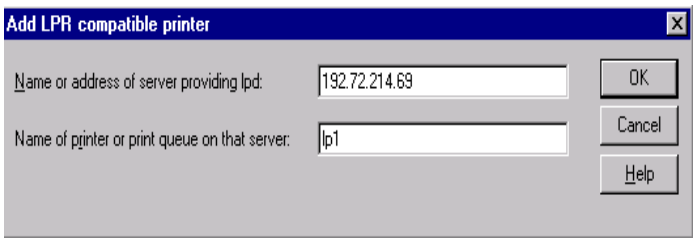
3. The Add Printer Wizard screen will appear, Select **My Computer** and click **Next**.

4. Click **Add Port**.

5. From the Printer Ports box as shown in the following picture, select the **LPR Port**.



6. The Add LPR compatible printers box will then appear as shown in the following picture. Type in the IP address assigned to the print server in the ***Name or address of server providing lpd*** box.



7. In the ***Name of printer or print queue on that server*** box, type in a printer name, for example, lp1. Click **OK**.

8. In the Printer Ports box, select **Close**.

9. Click **Next**.

10. Select the appropriate printer manufacturer and printer type list and click **Next**.

11. Select **Shared**. Type in a new **Share Name** or leave it in default and click **Next**.

12. A message reading, “After your printer is installed, Windows can print a test page so you can confirm that the printer is set up properly.”, Select **Yes (Recommended)** and click **Finish**.

13. Done.

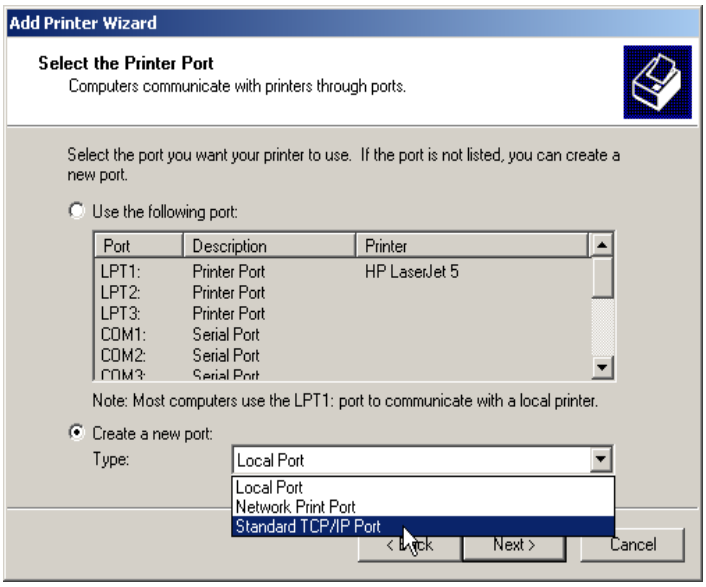
Windows 2000/XP Standard TCP/IP Port Printing Installation

1. Click **Start**, point to **Settings**, and select **Printer**.

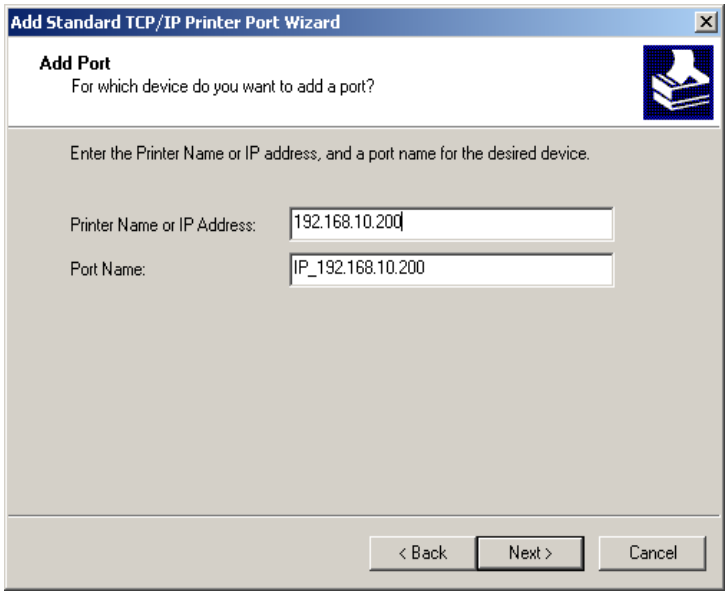
2. Run **Add Printer**, Click **Next**.

3. The Add Printer Wizard screen will appear, Select **Local Printer** and click **Next**.

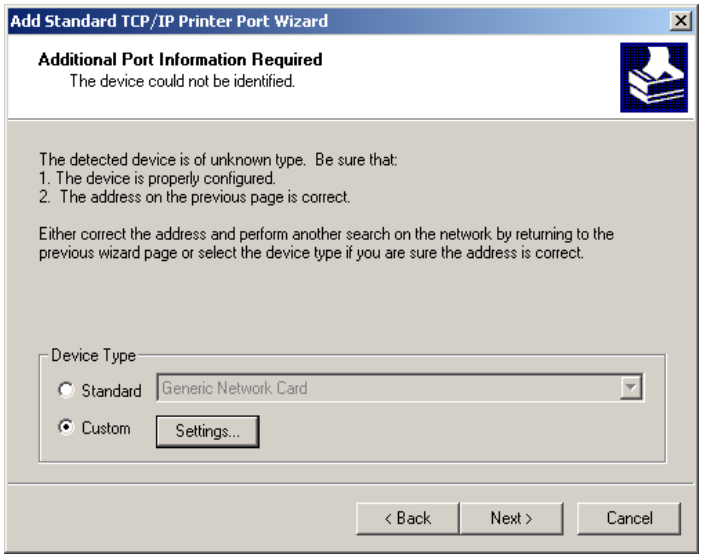
4. From the type of **Create a new port** box as shown in the following picture, select the **Standard TCP/IP Port**, Click **Next** and **Next**.



5. The Add Standard TCP/IP Printer Port Wizard box will then appear as shown the picture as below, and type in the IP address assigned to the print server in the ***Printer Name or IP Address*** box, Click **Next**.

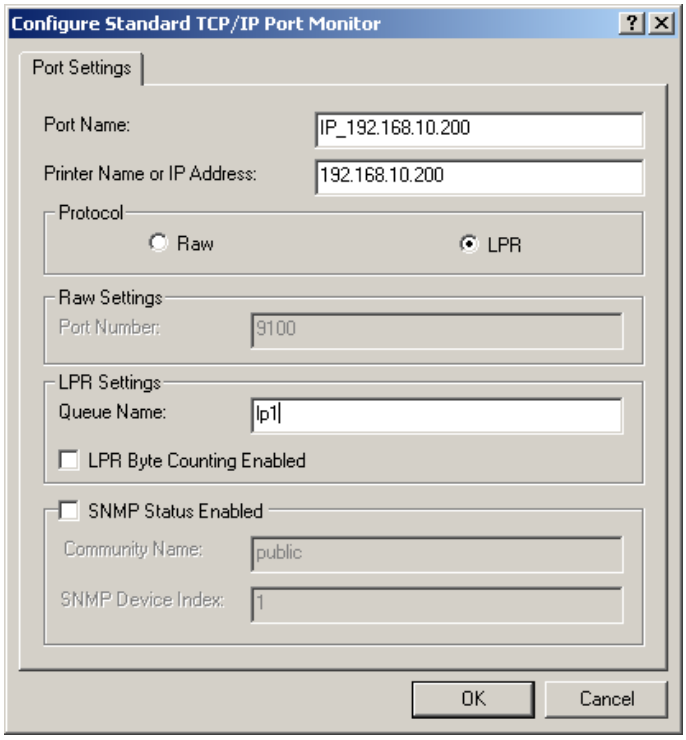

Add Standard TCP/IP Printer Port Wizard
Add Port
For which device do you want to add a port?
Enter the Printer Name or IP address, and a port name for the desired device.
Printer Name or IP Address:
192.168.10.200
Port Name:
IP_192.168.10.200
< Back
Next >
Cancel

6. In the **Add Standard TCP/IP Printer Port Wizard** box as shown in the following picture, Select **Custom**, Click **Settings** button, and click **Next**.


Add Standard TCP/IP Printer Port Wizard
Additional Port Information Required
The device could not be identified.
The detected device is of unknown type. Be sure that:
1. The device is properly configured.
2. The address on the previous page is correct.
Either correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.
Device Type
Standard
Generic Network Card
Custom
Settings...
< Back
Next >
Cancel

7. In the **Configure Standard TCP/IP Port Monitor** box as shown in the following picture, select **LPR** form Protocol, type in a queue name, for example, lp1.

8. Click **OK**, and **Next**.



Note: *Please **DO NOT** type any other name than **lp1** in this step.*

9. Click **Finish**.

10. Select the appropriate printer manufacturer and printer type list and click **Next**.

11. Type in a new **Printer name** or leave it in default, and click **Next** button.

12. A message reading, “To confirm that the printer is installed properly, you can print a test page”. Select **Yes (Recommended)** and click **Finish**.

13. Done.

UNIX Installation

After the IP address is assigned, the Print Server is ready to be configured. For some popular UNIX systems, *SCO OpenServer* and *UnixWare*, *Sun Solaris*, *IBM AIX*, and *Linux*, we include the detailed installation procedures below. If you can't find the installation procedure corresponding to your UNIX system, please refer to your UNIX manuals for details about configuring your UNIX for the "**remote printing system**".

SCO UNIX (OpenServer 5.0.x)

1. Login root

2. Type "arp -s <IP address> <Print server's node ID>"
The Print servers node ID can be found from the white label on the backside of the Print Server.
For example:
arp -s 192.72.214.103 00:40:01:05:01:8c

3. Type "ping < Print server's IP address>"
For example:
ping 192.72.214.103
(You should get the responses from the print Server).

4. Type "tftp < Print server's IP address>"
For example:
tftp 192.72.214.103
At the tftp prompt, type "**get config.txt**" to retrieve the Print Server's configuration file. For example:
tftp > get config.txt

5. Quit from tftp, and then use your editor to modify the **"05 *BoxIPAddress*"** field in the ***config.txt*** file from 0.0.0.0 to the IP address you specify in Step 2.

6. *(Optional)* Modify the **"06 Gateway"** field from 0.0.0.0 to your gateway's IP address.

7. *(Optional)* Modify the **"07 SubnetMask"** field from 0.0.0.0 to the subnet mask.

8. When done, save the new config.txt.

9. Type "tftp < Print server's IP address>"
At the tftp prompt, type "**put config.txt**" to save the new configuration file back to the Print Server.
For example:
tftp > put config.txt

10. Type "mkdev rlp"

After this step, the Remote Printer Configuration appears. Answer the questions as follows:

a. **Do you want to install or remove printing (i/r/q) ? [q] : ----->** i
b. **Do you wish to change the printer description file /etc/printcap (y/n) [n] ? --------->** y

c. **Enter information for remote printers or local printers accepting remote printing requests**
Please enter the printer name (q to quit): --->**printer-1**
You can enter a printer name you like in this option.

d. **Is xxxx a remote printer or a local printer (r/l) --------->** r

e. **Please enter the name of the remote host that xxxx is attached to: --------->** the Print server's IP address you specified in Step 2, for example, 192.72.214.103

Note: You can add the host name associated with the IP address in the ***/etc/hosts*** file. If you have done this, please use the host name instead of the IP address.

f. **Printer xxxx is connected to host 192.72.214.103**
Is this correct ? (y/n) ---------> y

g. After it shows some messages, it will ask you a question.
If you're not sure, answer 'n' ? (y/n) [n] --------> n

h. **Would you like this to be the system default printer ? (y/n) [n]------->**answer this question if you like to make it as a default printer.
i. **Do you want to install or remove printing (i/r/q) ? [q] : -------->** q
j. **Do you want to star remote daemon now (y/n) -------->** y

11. **Done.** Submit print jobs by using "lp" or "lpr" command.
For example: lp -d printer-1 /etc/printcap

SUN Solaris 2.x

1. Login root

2. Type "arp -s <IP address> < Print server's node ID>"
The node ID can be found from the white label on the backside of the Print Server. For example:
arp -s 192.72.214.103 00:40:01:05:01:8c

3. Type "ping < Print server's IP address>"
For example:
ping 192.72.214.103
(You should get the responses from the Print Server).

4. **Type "tftp < Print server's IP address>"**
For example: tftp 192.72.214.103

At the tftp prompt, type "**get config.txt**" to get the Print Server's configuration file.
For example: tftp > get config.txt

5. Quit from tftp, and then use your editor to modify the **"05 BoxIPAddress"** field in the ***config.txt*** file from 0.0.0.0 to the IP address you specify in Step 2.

6. *(Optional)* Modify the **"06 Gateway"** field from 0.0.0.0 to your gateway's IP address.

7. *(Optional)* Modify the **"07 SubnetMask"** field from 0.0.0.0 to the subnet mask.
8. When done, save the new ***config.txt***.
9. **Type "tftp < Print server's IP address>"**

At the tftp prompt, type "**put config.txt**" to save the new configuration file back to the Print Server.
For example:
tftp > put config.txt

10. **Type "lpsystem -tbsd <Print server's IP address>"**
For example:
lpsystem -tbsd 192.72.214.103

Note: You can add the host name associated with the IP address in the ***/etc/hosts*** file. If you have done this, please use the host name instead of the IP address.

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11. **Type "lpadmin –pprinter-1 -s <Print server's IP address>"**
,where **printer-1** represents the Print Server's parallel port. *You can enter a printer name you like.*
For example: lpadmin –pprinter-1 -s192.72.214.103

12. **Type "accept printer-1"** For example: accept printer-1

13. **Type "enable printer-1"** For example: enable printer-1

14. Submit print jobs by " lpr " command. For example: lpr -Pprinter-1 /etc/hosts

IBM AIX 4.xx

1. Login **root**.
2. *(Optional)* Edit the **/etc/hosts** file. Add a line of the Print Server's host name and its associated IP address.

Note: Before this step, please make sure you have follow the directions on page 80 to manually assign an IP address to the Print Server.

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3. Under the prompt sign, type **smit** and press *Enter*.

4. Select **Device**.
5. Select **Printer/Plotter**.
6. Select **Printer Spooling**.
7. Select **Add a Print Queue**.
8. Select **Remote**.
9. Select **Standard Process**.
10. In the **Queue Name** option, type in a printer name. For example: printer-1
11. In the **Host Name** option, type in the IP address of the Print Server.

Note: You can add the host name associated with the IP address in the /etc/hosts file. If you have done this, please use the host name instead of the IP address.

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12. I n the **Name of Queue on Remote Server** option, type in a print queue name. For example: printer-1-q.

13. Done.

Redhat Linux 9

The Print Server can work under any Linux-based systems, including Slackware, RedHat, etc, without any problems.

Basically, the Linux's printing system is based on BSD system. Although many commercial Linux systems are available in the market and their commands will vary slightly, depending upon which version is used, the functionality of the Linux-based variants is exactly the same. Following are the outlined procedures (***recommended for all users***) on Red Hat Linux 7.2/7.3 or later with *X-Window* system installed.

a. Make sure that the TCP/IP is well configured on your RedHat system, including network interface card's driver and IP-related settings say, IP address, subnet mask, and gateway IP).

b. Log in ***root***.

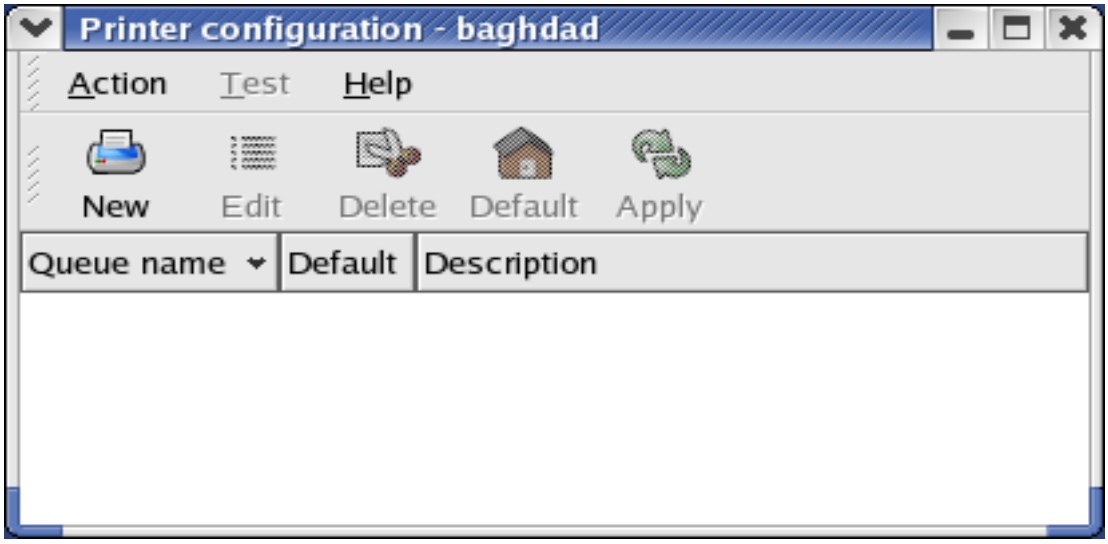
c. Assign Print Server an IP address. At shell mode:
   c.1. arp -s <the IP address you want to assign to the Print Server> < Print Server 's Node ID>

   c.2. Execute tftp < Print Server 's IP> get config.txt and quit tftp.

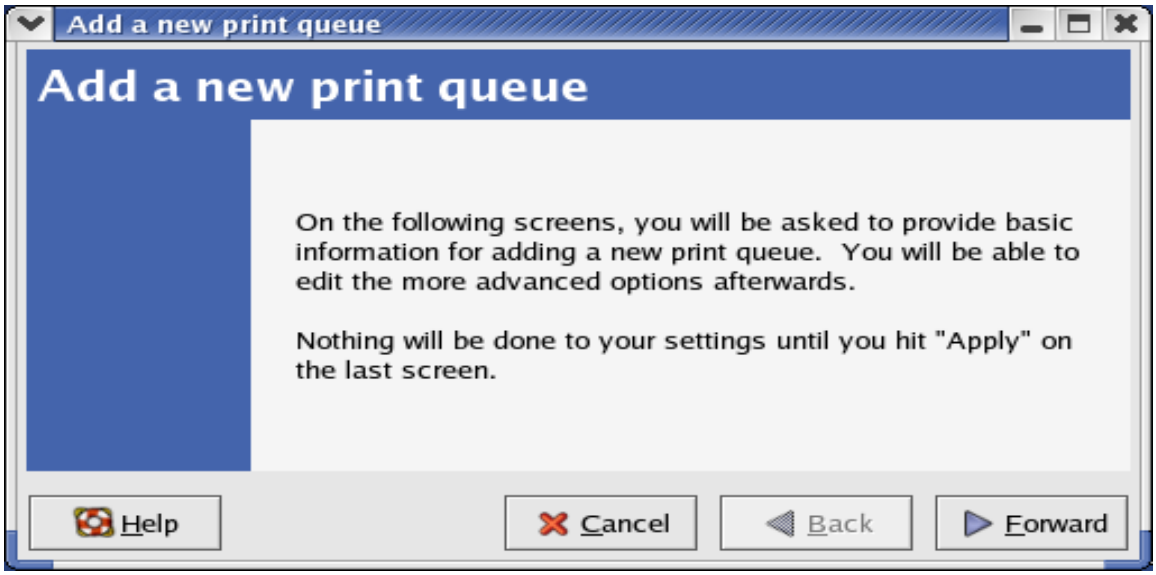
   c.3. Edit the config.txt and modify the IP address, subnet mask, and gateway IP. When done, save the config.txt.
   c.4. Execute tftp <Print Server 's IP> put config.txt and quit tftp.

d. Start X-windows by typing ***startx*** at the shell mode.

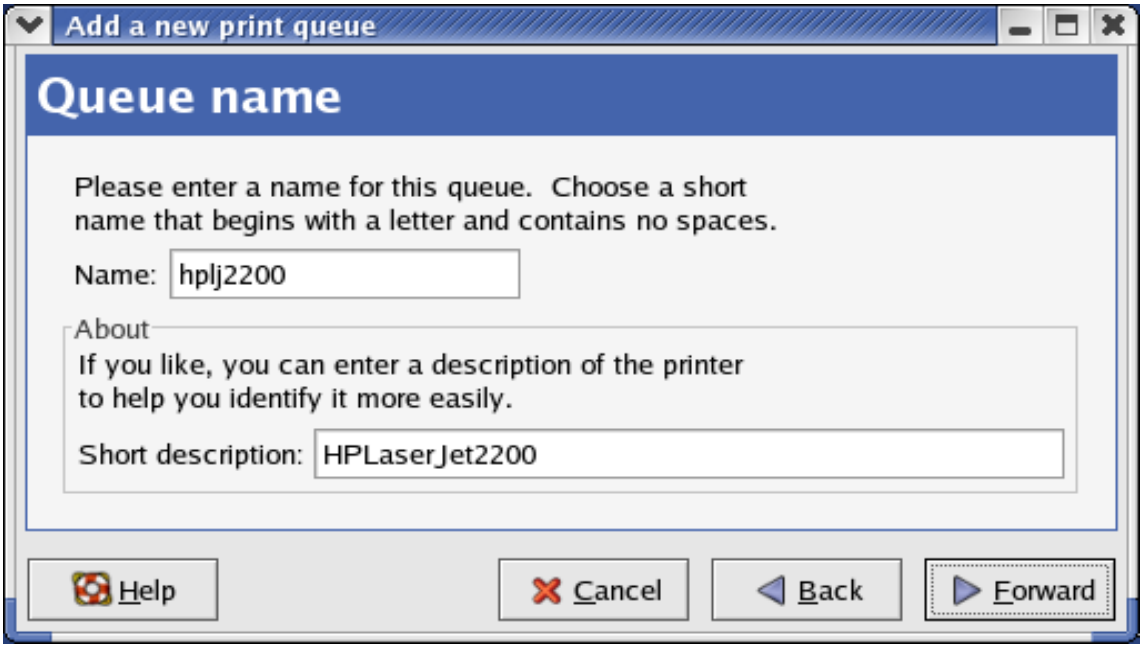
e. Open **Printer Configuration**.



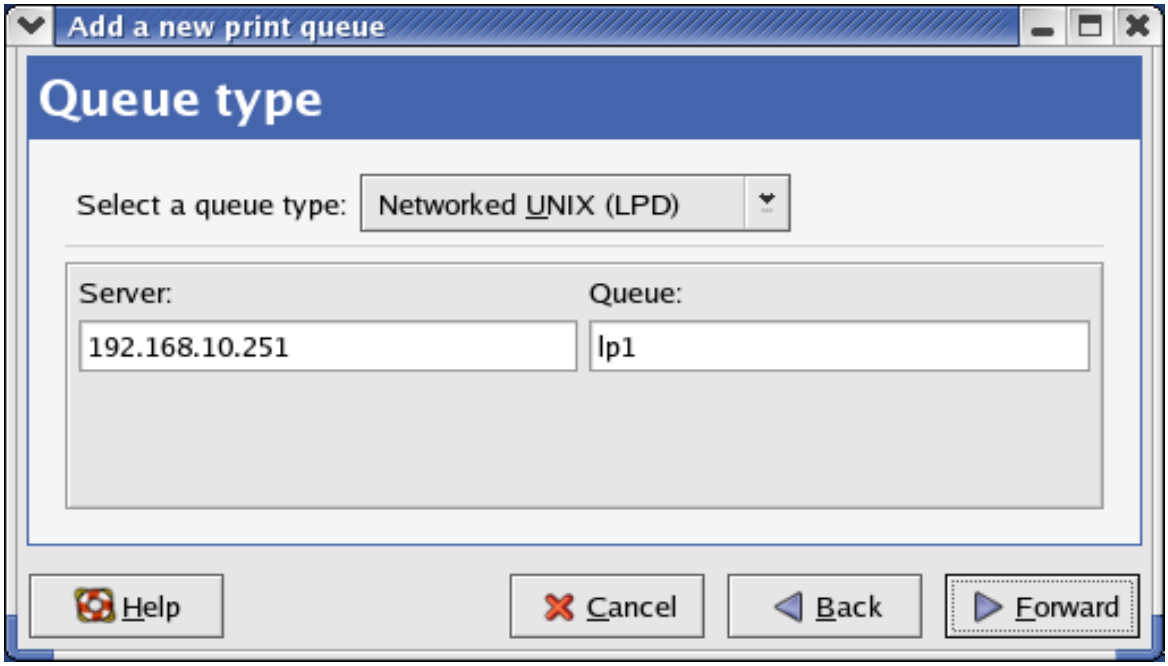
f. Click **New** button.


Add a new print queue
Add a new print queue
On the following screens, you will be asked to provide basic information for adding a new print queue. You will be able to edit the more advanced options afterwards.
Nothing will be done to your settings until you hit "Apply" on the last screen.
Help
Cancel
Back
Forward

g. Click **Forward** button.


Add a new print queue
Queue name
Please enter a name for this queue. Choose a short name that begins with a letter and contains no spaces.
Name: hplj2200
About
If you like, you can enter a description of the printer to help you identify it more easily.
Short description: HPLaserJet2200
Help
Cancel
Back
Forward

h. In the **Name** field, type a user-defined name, click **Forward**.



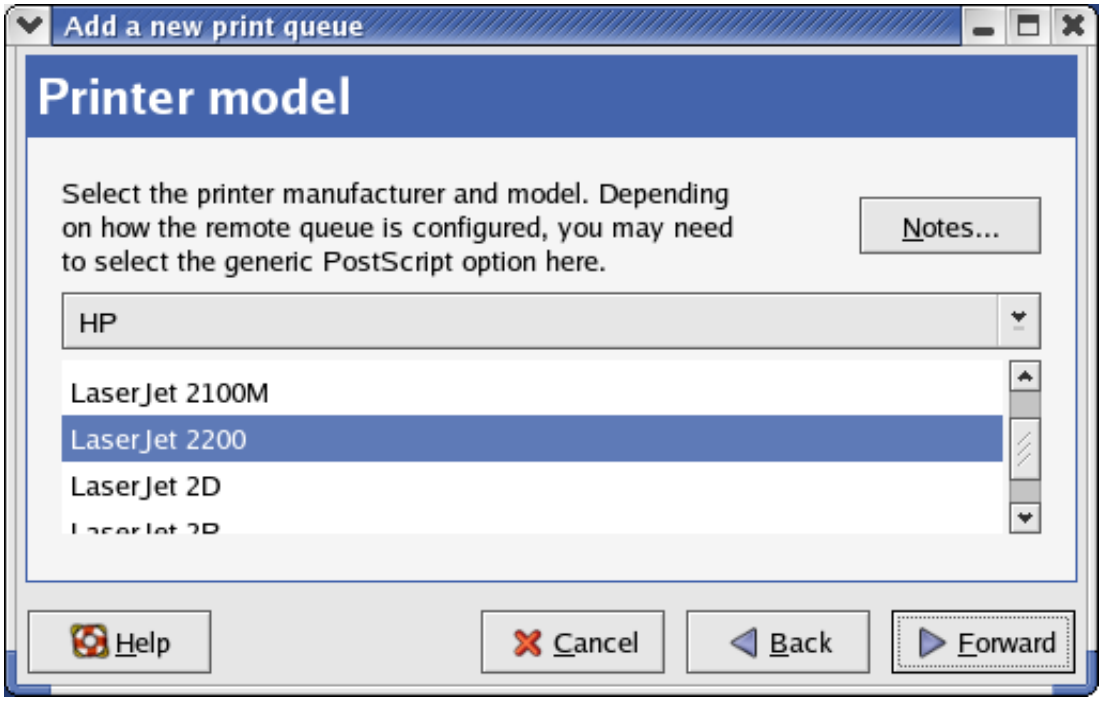
i. In the **Queue Type** field, choose **Networked UNIX**.

j. In the **Server** field, type the IP of print server

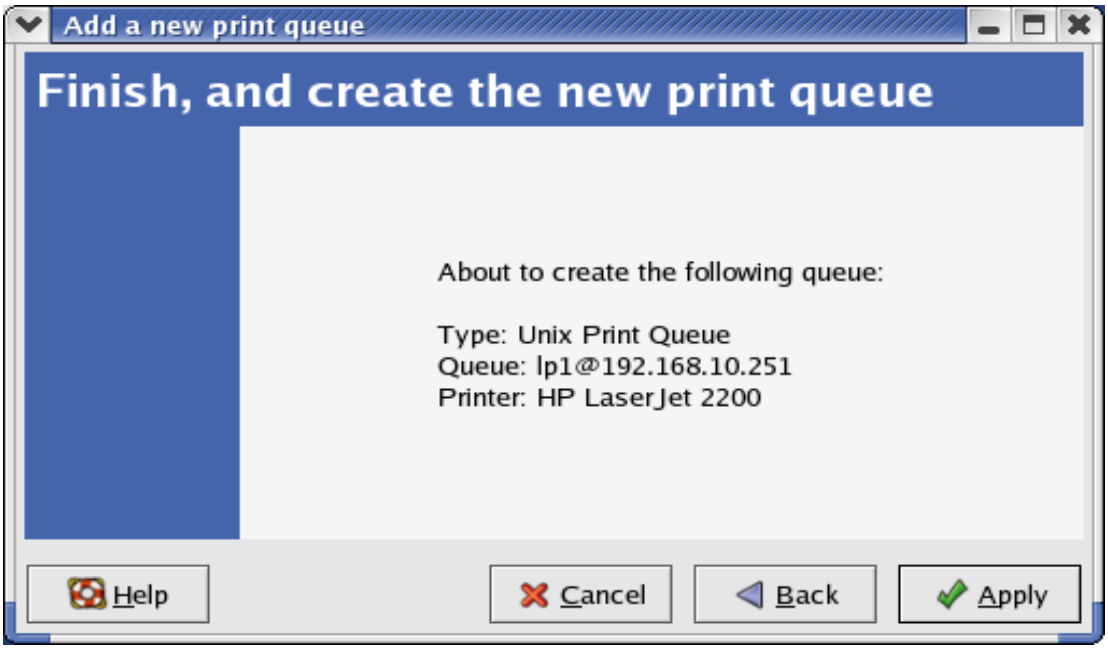
k. In the **Queue** field, type a print server's port name which connect to the printer. For example: lp1.

l. Click **Forward** button.

m. In the **Printer** field, choose **Postscript Printer**.



n. Choose the model of printer and click **Forward**.



o. Done.

UnixWare 7

1. Login ***root***.
2. Run ***CDE*** (*Common Desktop Environment*).
3. Open the subpanel under the **SCO** icon in the **Front Panel**.
4. Select **SCO Admin**.
5. Select **Print Setup Manager** from **System Administration** window.
6. Click **LPD** icon in the tool bar of **Print Setup** window.
7. In **Name** field, type a name for the printer for identification purpose.
8. In **Protocol** field, select **lpd(BSD)**.
9. Select your printer's make and model from the **Make/Model** list.
10. In **Printer Connection Type**, select **On Remote Server**.
11. It then appears a (new) **Remote System** option. Type the IP address of the print server.
12. In **Remote Printer** field, type a name for the print server's print port. For example, Port1.
13. When done, click **OK** button.

Now run **Printer Manager**, and you'll see an icon for the printer that is connected to the print server device.

8.Upgrading Print Server

Overview

Upgrading print server will allow you to replace its firmware inside the print server while the newer software version of the print server is available from your local dealer. Depending on the different systems users might use, this chapter is divided into several Sections, please refer to the following list for your systems.

1. ***Upgrading the print server from PSAdmin***
2. ***Upgrading the print server from Windows NT/2000/XP***
3. ***Upgrading the print server from UNIX system***

Note: 1. Before you proceed to upgrade the print server, please ensure that the necessary binary file is located in your current working directory.

2.Before upgrading print server, please ensure print server is not printing jobs. In case of printing, you have to wait till the current print job is finished before you can proceed.

Upgrading the print server from PSAdmin

1. Log into your NetWare file server as a Supervisor (Admin.) or equivalent.
2. Ensure binary file is located in the PSAdmin directory.
3. Run **PSAdmin** from your Windows PC.
4. Click the **Upgrade** icon in tool bar.

Upgrading the print server from Windows NT/2000/XP (Through TCP/IP)

1. Ensure binary file is located in your current working directory.
2. At NT/2000/XP's DOS prompt, and type "**tftp <print server's IP address > get upgrade**".
3. Type "**tftp –i <print server's IP address> put mpsXX.bin**".
4. Wait for the transfer successful message.

5. Done!

Upgrading the print server from UNIX (Through TCP/IP)

1. Log in as root
2. Ensure binary file is located in your current working directory.
3. Type "**tftp <print server's IP address>**".
4. At tftp prompt, type "**get upgrade**".
5. Change to binary mode.
6. At tftp prompt, type "**put mpsXX.bin**".
7. Wait for the file transfer to complete.
8. Quit from tftp.
9. Done.

Upgrading the print server from Browser

1. Ensure binary file is located in your current working directory.
2. Enter the IP address of the print server as the URL.
3. Click **Misc**, and then choose **Upgrade From Browser**, it then as shown in the following picture.

1P_PrintServ535A07
Status
Setup
Misc.
Load Default
Upgrade From Browser
This page allows you to upgrade the firmware of the print server.
Note: Please make sure that you use the correct firmware before you proceed. If you do not know which firmware you should use, please contact your local dealer for technical support.
Firmware Upgrade
Select A Firmware File :
Browse...
Upgrade

4. Click **Upgrade form Browser** and select the firmware file.

5. Click **Upgrade**.
6. Done.

9. Troubleshooting

General Troubleshooting Overview

The most common problems, which cause the print server to perform improperly, are covered in this chapter. If a problem still exists after reading this chapter, please contact your dealer for technical support.

LED Light Indicators

The print server is equipped with seven LED lights to assist in diagnosing problems that are the result of the network and/or the print server hardware itself.

Status (Red)

When the print server unit is powered on, the ***Status*** LED will flash five times as part of the unit's **P**ower **O**n **S**elf **T**est (**POST**). This indicates that the print server hardware is properly configured. This LED, however, may flicker whenever the data are being transmitted and printed.

Note: Make sure that the Red LED flashes five times (**POST**) upon connecting the power. If the unit does not flash five times, contact your dealer for a replacement or repair.

W-LAN (Green)

Data is being transmitted and received via the W-LAN port.

Power Related Problems

The print server requires an external AC power adapter in order for it to function. If you have a power problem, check to see whether the power cord or its connectors are damaged. More importantly, check to see that the AC power adapter included with the print server matches the AC voltage in your country or area. Using an incorrect AC adapter will damage your print server.

Print Port Related Problems

Printing data failure may be caused by a loose connection of the print server to the Centronics parallel port of the printer. Check to see if any of the pins on the 36-pin connector

are damaged. In addition, check the cable connection. If the pins are damaged, contact your dealer for a replacement connector.

Windows 95/98/Me/NT/2000/XP Troubleshooting

Multi-Segment LAN Environment Installation (through the Network Print Port)

If your print server and Windows 95/98/Me/NT/2000/XP are located on two different segments, and your Windows NT server is used as the router/gateway you will need to implement the following procedures in order for your print server to function properly:

- □ Add the RIP for NWLink IPX/SPX compatible transport. See *RIP for NWLink IPX/SPX compatible transport Installation Procedure* later in this section.
- □ Add the frame type 802.2 for both Ethernet adapters. See *Multi-Segment Frame Type 802.2 Installation* later in this section.

RIP for NWLink IPX/SPX compatible transport Installation Procedure

1. From your Windows NT server that is used as a router, select **Start** from the bottom left hand corner of the screen.
2. Select **Settings**.
3. Select **Control Panel**.
4. Double-click the **Network** icon.
5. Select **Services**.
6. Select **Add**.
7. In the Select Network Service box, select the **RIP for NWLink IPX/SPX compatible transport**. Click **OK**.
8. Follows the directions on the screen.
9. Done!

Multi-Segment Frame Type 802.2 Installation

1. From your Windows NT server that is used as a router, select **Start** from the bottom left hand corner of the screen.
2. Point to **Settings**, and select **Control Panel**.
3. Double-click the **Network** icon.
4. Select **Protocols**.Select the **NWLink IPX/SPX Compatible Transport**.
5. Select **Properties**.
6. Select your (first) network interface card and select **Manual Frame Type Detection**.
7. Click **Add**.
8. In the **Frame Type** field, select **Ethernet 802.2**.
9. In the **Network Number** field, type in an unique 8-digit hexadecimal network number. For example: 12345ABC.
10. Select **Add**.

11. Repeat the Steps 8-12 for the other Ethernet adapter.
12. **Restart the computer**.
13. Done.

Moving the print server to A New Segment

If the print server is moved from one network segment to another after the initial installation, through the Network Print Port, the print server must be reconfigured on the original Windows NT server or on each Windows 95/98 computer using this print server in order for the print server's driver on each computer to re-establish a new connection.

Print Server Reconfiguration Procedure on Windows 95/98/Me

1. Click **Start** on the bottom left hand corner of the screen.

2. Select **Settings** and select **Printers**.

3. Select your printer connected to the print server, and right-click the printer icon. Select **Properties**.

4. Click **Details** tab.

5. Click **Port Settings** as shown in the picture below. The print server will be displayed on the next print server's configuration screen.

Find your original print server according to its Port Name or other distinguished name and click this print server.

6. Click **OK** and it returns to the printer's Properties page.

7. Click **OK**.

8. Done!

Print server Reconfiguration Procedure on Windows NT

1. Click **Start** on the bottom left hand corner of the screen.
2. Select **Settings** and select **Printers**.
3. Select your printer connected to the print server, and right-click the printer icon. Select **Properties**.
4. Click Ports tab.
5. Click **Configure Port**. The print server will be shown on the next screen.
6. Find your original print server according to its Port Name or other distinguished name and click this print server.
7. Click **OK** and it returns to the printer's Properties page.
8. Click **OK**.

9. Done!

Moving Your Computer to A New Segment

If you are using the print server through the Network Print Port on your NT or Windows 95/98/Me computer and your computer is going to be moved onto another segment, you have to reconfigure the print server on your computer to use your print server. However, this situation is like moving the print server to a new segment. Please refer to the "*Moving the print server to a new segment*" section for more detailed reconfiguration instructions.

Novell NetWare Troubleshooting

Many printing problems can be traced back to incorrect or incomplete print server installations. *It is always wise to check the installation configurations first.*

In some cases, if necessary, delete the print server, print queue(s) or other setting(s). Next recreate the necessary parameters or reconfigure the print server by running the PSAdmin.

TCP/IP Troubleshooting

When you are configuring a new print server on your NT/UNIX server through LPR Port printing under TCP/IP protocol, you might encounter the following problem in your initial installation steps:

" I can do the "arp" command. However, when I am going to ping or tftp the print server, it always shows Request timed out. I have checked the print server's power and it exactly passed the POST. Besides, the network cabling is OK. As such, I can't do tftp command to get and put the print server's configuration file and save its IP address permanently. I can't, therefore, continue installing the print server."

Regarding this problem, there are three possible causes:

A. The print server's Node ID you specified in the "arp" command is not correct.

If this is the case, please ensure the Node ID field in the corresponding entry of the print server's IP address in NT's ARP cache table is correct by typing the following command at NT's DOS prompt. "arp -a"

If the Node ID shown on the screen doesn't match the print server's Node ID, please follow the instructions below to reset the entry.

1. At NT's DOS prompt, type "arp -d <print server's IP address>" to delete the current entry.

2. Type "arp -s <print server's IP> <print server's Node ID>" to specify a new ARP entry.

3. Refer to Chapter 7 for the detailed instructions to complete the installation.

B. The print server's IP address is duplicated or is as same as another computer's IP address on the network.

If this is the case, please consult your network administrator to obtain an unused IP address for your print server.

C. The print server is on one segment and your Windows NT server is on the other segment.

(This troubleshooting guide will also apply to a multiple-segmented network while installing the print server)

For example, assuming the print server is on Segment A, NT server is on Segment B, and there is a gateway computer between Segment A and Segment B. The network might be a complete TCP/IP network, or a hybrid of TCP/IP and IPX/SPX network.
If this is the case, you have to adopt the following steps, depending on which platform the gateway computer is.

a. If the gateway computer is a NT/UNIX server:

   You have to do the same "arp" command to specify an entry on the NT/UNIX computer as a gateway in order for it to forward your subsequent "ping" or/and "tftp" commands to the print server.

b. If the gateway computer is a Novell NetWare file server:

   1. Due to the presence of this NetWare file server, the IPX/SPX protocol might be used on your network. Therefore, we strongly suggest you run the **PSAdmin** from any client computer and select "***Manual Setup***" to specify the print server's IP address (For more detailed information about Manual Setup, please refer to Chapter 3).

   2. If the solution described above is not applicable, you have to follow the instructions below to set up the print server's IP address.

For the purpose of explanation, we assume the NT server is on Segment A and its IP address is 192.72.214.66 (subnet mask: 255.255.255.224), the print server is going to be installed on Segment B, with IP address, for example, 192.72.214.100.

1. Find an unused IP address on Segment A for temporary use in the following steps, for example, 192.72.214.68.

2. Connect your print server to Segment A as a networked node.

3. On your NT server, type, for example, "arp -s 192.72.214.68 00-40-01-3F-02-AB". Please note, in this arp command you have to type 192.72.214.68 on purpose. Do not type this IP address as 192.72.214.100.

4. Type "tftp 192.722.214.68 get config.txt". The configuration file will then be retrieved and transferred to your NT server.

5. Type "edit config.txt" to modify this configuration file.

6. In your editor, modify "**BoxIPAddress**" field from "0.0.0.0" to "192.72.214.100". ***Leave other options as default and do not change their values***. When done, save this new file and quit from your editor. ***Please note, in this step you must specify an IP address which is valid on Segment B, such as 192.72.214.100 in this example, rather than 192.72.214.68.***

7. Type, for example, "tftp 192.72.214.68 put config.txt" to save this new configuration back to print server.

8. Move the print server back to the Segment B.

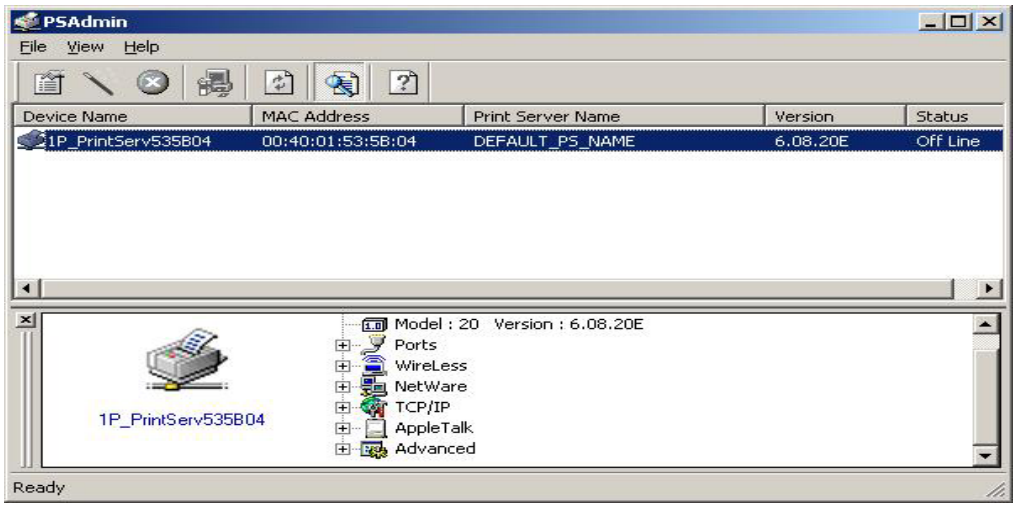
9. Done!

Appendix:

Diagnostic Mode

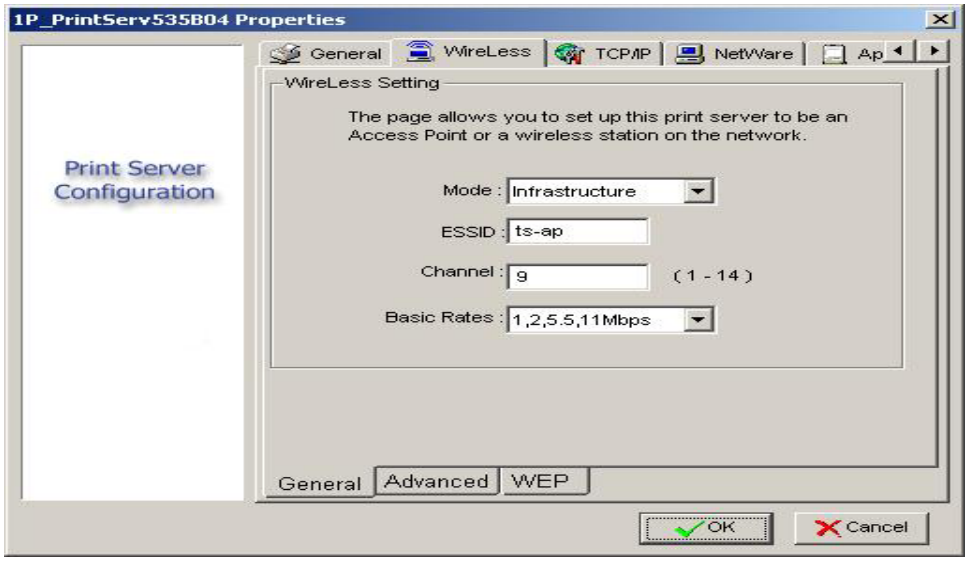
If you had problems to setup your print server in your wireless network, please refer to the following steps:

1. Change the print server to diagnostic mode by switching the DIP switch to DIAG mode(the side near to power connector.)
2. Change your wireless adapter to 802.11b Ad-hoc mode, and the ESSID is WLAN-PS
3. Run **PSAdmin** to discover the print server.
4. Select the wireless print server



5. Select **wireless** and input the ESSID, Channel, Rates that meet your network environment, then press ok.

6.



7. Done! The print server will restart.

8. Switch the DIP back to normal mode and change your wireless adapter setting.

Load Default Value

You can load the default value of print server by press the reset button.
Please turn off the power, and then hold the reset button and turn on until the status LED blinking rapidly. Now the default value is restored.

Frequently Asked Questions

Question A

Print jobs are sent to the print queue successfully, but fail to be sent to the printer.

Possible explanations

1. The Print server Name/Print Queue configuration in PCONSOLE is incorrect.
2. The Print server name specified and stored in the print server memory doesn't match the same one set in PCONSOLE.
3. The network cable or power adapter connected to the print server is loose or disconnected.
4. The printer is off-line, jammed or out of paper.

Solutions

1. Check all the information in PCONSOLE.
2. Check all the information of the print server by running PSAdmin.
3. Check to see that if the network cabling and power adapter are properly connected.
4. Recheck the print server connection by running the PSAdmin. It should read "Connected."

Question B

Print jobs start printing, but print very slowly or print unknown characters.

Possible explanation and solution

A printer driver is missing or is incompatible with that printer. Using a print driver that is not specific for the printer can cause printing errors. Install the proper printer driver. If these printer drivers are not available to you, please contact your printer manufacturer.

Question C

The upgrading process indication bar stops and does not seem to proceed again while upgrading the print server.

Possible Explanation

There might be a network problem. This causes the upgrading procedure to fail.

Solutions

1. Check the network cabling, especially from the workstation running the PSAdmin to the print server unit.

2. Run the PSAdmin and upgrade the print server again.

Question D

The Status LED light keeps blinking after POST.

Possible explanation and solution
The last upgrade process was not completed. The print server must be upgraded again by using the PSAdmin. Please see Chapter 3 for details.

Question E

The PSAdmin reports "Create Print server Error", "Create Printer Error", or "Create Print Queue Error" while using Auto Setup.

Possible Explanation

The print server name, the printer name, or the print queue name you specified in the **Auto Setup** dialogue box contains a space.

Solution

Check to see if there is a space in the print server name, the printer name, or the queue name. Type in a new name without a space between two characters or replace a space by a dash (-) or an underscore (_).

Question F

The PSAdmin reports "Print server Already Exists", "Printer Already Exists", or "Print Queue Already Exists" after specifying the print server name, or the print queue name in Auto Setup.

Possible Explanation

A same print server name or queue names exists in the specific NetWare file server as the one you specified in the **Auto Setup** dialogue box.

Solution

Specify a new print server name or queue name in the **Auto Setup**.

Question G

The setup Wizard can't find print server.

Possible Explanation

The Personal Firewall installed in your computer blocks the connection.

Solution

Please disable the Personal Firewall or adjust the security level to lower.

Additional Installation Instructions

Panasonic KX-P6100/6300/6500

If you are using a Panasonic KX-P6100/6300/6500 laser printer with the print server through the **Network Print Port** under Windows 95/98, please redirect the printer named "***Panasonic KX-P6100 PCL***" or "***Panasonic KX-P6300 PCL***", or "***Panasonic KX-P6500 PCL***" to the print server through the **Network Print Port**.

DO NOT redirect the printer named "Panasonic KX-P6100 GDI", "Panasonic KX-P6300 GDI", or "Panasonic KX-P6500 GDI" to the print server.